

Data File : VU023529.D

Acq On : 30 Apr 2018 15:53

Operator : MD/SY

Sample : VSTDIC002

Misc : 25.0mL/MSVOA_U/WATER

ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Quant Time: May 01 04:33:05 2018

Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\524U043018DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Tue May 01 04:31:20 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	55725	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	18834	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	18477	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	38553	2.19	ug/l	97
3) Chloromethane	1.33	50	44235	1.98	ug/l	99
4) Vinyl Chloride	1.40	62	42375	2.09	ug/l	96
5) Bromomethane	1.64	94	22598	1.71	ug/l	99
6) Chloroethane	1.70	64	24584	2.12	ug/l	99
7) Trichlorofluoromethane	1.89	101	49393	2.16	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	29943	2.19	ug/l	99
9) 1,1-Dichloroethene	2.29	96	27509	2.01	ug/l	96
10) Iodomethane	2.41	142	32800	2.14	ug/l	97
11) Allyl Chloride	2.60	41	50188	2.30	ug/l	98
12) Acrylonitrile	2.95	53	12364	3.98	ug/l	98
13) Acetone	2.35	43	24448	9.90	ug/l	96
14) Carbon Disulfide	2.48	76	90108	2.10	ug/l	100
15) Methylene Chloride	2.71	84	30135	1.82	ug/l	99
16) trans-1,2-Dichloroethene	2.99	96	29896	2.02	ug/l	94
17) 1,1-Dichloroethane	3.45	63	58847	2.13	ug/l	99
18) 2-Butanone	4.31	43	38664	10.24	ug/l	99
19) Cyclohexane	4.99	56	50665	2.54	ug/l	99
20) Methylcyclohexane	6.41	83	48464	2.10	ug/l	98
21) 2,2-Dichloropropane	4.23	77	46121	2.28	ug/l	100
22) cis-1,2-Dichloroethene	4.23	96	32620	1.98	ug/l	99
23) Diethyl Ether	2.11	59	23053	2.06	ug/l	99
24) tert-Butyl Alcohol	2.90	59	11728	10.78	ug/l #	96
25) Methyl tert-Butyl Ether	3.01	73	69876	2.02	ug/l	99
26) Bromochloromethane	4.55	128	12845	1.78	ug/l	99
27) Chloroform	4.68	83	54175	1.97	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	45868	2.16	ug/l	99
29) 1,1-Dichloropropene	5.13	75	43728	2.09	ug/l	99
30) Carbon Tetrachloride	5.13	117	38265	2.15	ug/l	98
31) Isopropyl Ether	3.58	45	99488	2.36	ug/l	97
32) Ethyl-t-butyl ether	4.09	59	83471	2.19	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	69242	2.10	ug/l	98
34) Propionitrile	4.38	54	11373	9.95	ug/l #	94
35) Benzene	5.39	78	131446	2.08	ug/l	100
36) 1,2-Dichloroethane	5.41	62	36485	2.18	ug/l	100
37) Trichloroethene	6.18	130	34686	2.06	ug/l	97
38) 1,2-Dichloropropane	6.44	63	37043	2.30	ug/l	97
39) Methacrylonitrile	4.57	41	11333	2.39	ug/l #	94
40) Methyl acrylate	4.44	55	14947	2.09	ug/l #	97
41) Tetrahydrofuran	4.68	42	11441	4.33	ug/l	97
42) 1-Chlorobutane	5.07	56	64367	2.29	ug/l	95

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Tue May 01 04:31:20 2018

Response via : Initial Calibration

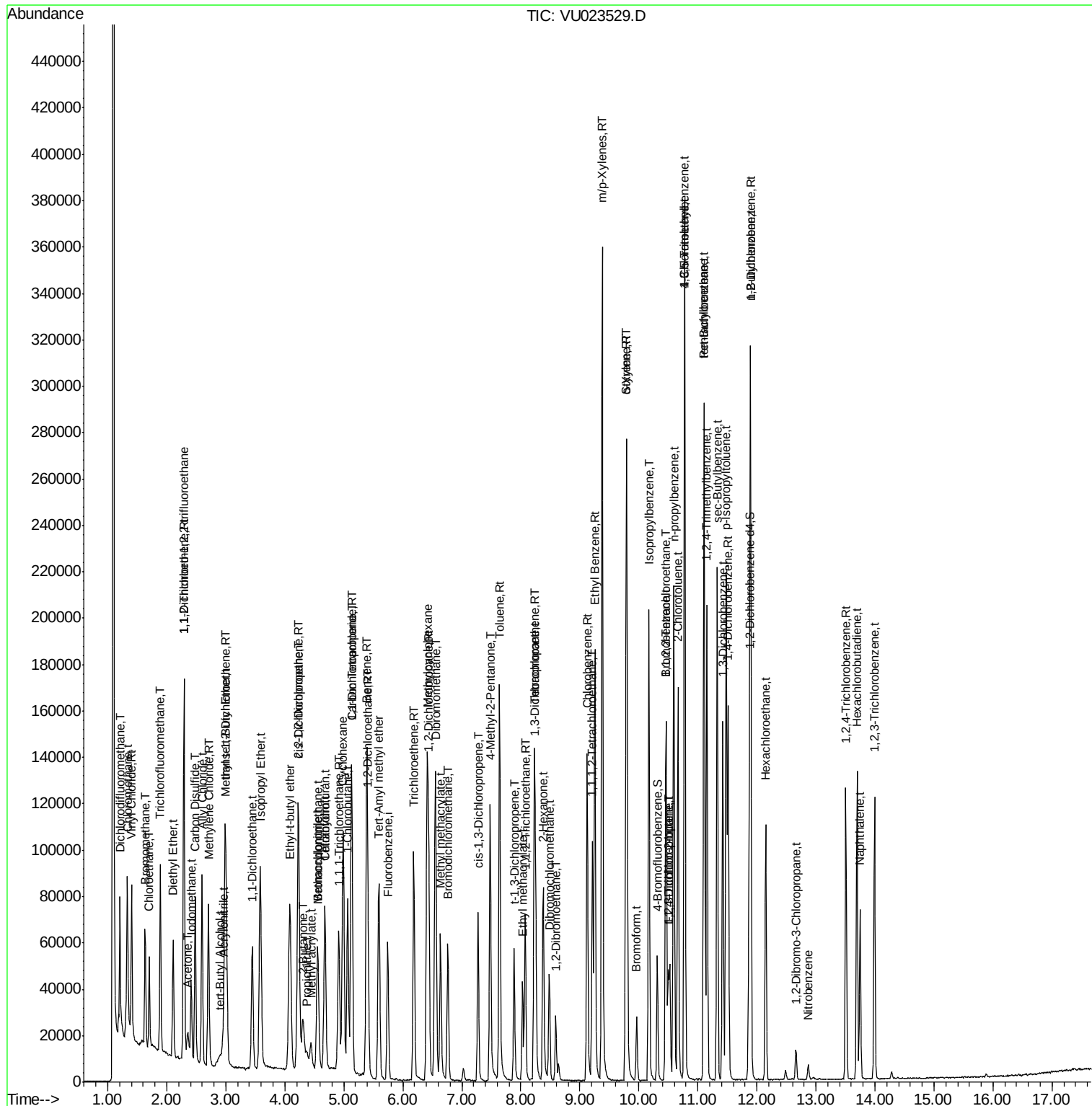
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	15406	2.02	ug/l	99
44) Bromodichloromethane	6.76	83	38676	2.17	ug/l	99
45) 4-Methyl-2-Pentanone	7.48	43	90322	10.30	ug/l	99
46) t-1,4-Dichloro-2-butene	10.50	75	29560	10.81	ug/l #	41
47) Methyl methacrylate	6.64	69	27740	3.84	ug/l	98
48) Ethyl methacrylate	8.03	69	22900	1.78	ug/l	97
49) Toluene	7.64	92	74931	2.03	ug/l	96
50) t-1,3-Dichloropropene	7.89	75	32264	2.11	ug/l	94
51) cis-1,3-Dichloropropene	7.27	75	41634	2.11	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	22127	2.00	ug/l	99
53) 1,3-Dichloropropane	8.25	76	40484	2.12	ug/l	98
54) 2-Hexanone	8.38	43	61526	10.29	ug/l	98
55) Dibromochloromethane	8.48	129	24035	2.11	ug/l	100
56) 1,2-Dibromoethane	8.59	107	18822	1.93	ug/l	99
58) Tetrachloroethene	8.23	164	31228	2.08	ug/l	98
59) Chlorobenzene	9.12	112	80666	1.99	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	27221	1.99	ug/l	98
61) Pentachloroethane	11.10	117	19920	2.01	ug/l	94
62) Hexachloroethane	12.15	117	18429	2.07	ug/l	96
63) Ethyl Benzene	9.25	91	132818	1.98	ug/l	100
64) m/p-Xylenes	9.38	106	105189	4.06	ug/l	98
65) o-Xylene	9.78	106	50868	1.99	ug/l	99
66) Styrene	9.80	104	82702	1.96	ug/l	98
67) Bromoform	9.96	173	12494	2.01	ug/l	100
69) Isopropylbenzene	10.17	105	130134	2.04	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	25309	1.90	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	29560	3.01	ug/l #	78
72) Bromobenzene	10.46	156	32756	1.91	ug/l	100
73) n-propylbenzene	10.59	120	35721	2.00	ug/l	98
74) 2-Chlorotoluene	10.66	126	31979	1.97	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	110871	2.03	ug/l	99
76) 4-Chlorotoluene	10.78	126	32847	1.96	ug/l	99
77) tert-Butylbenzene	11.10	119	103060	1.99	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	111608	1.99	ug/l	98
79) sec-Butylbenzene	11.33	105	146178	2.09	ug/l	100
80) Nitrobenzene	12.87	77	4422	14.69	ug/l #	91
81) p-Isopropyltoluene	11.48	119	119472	2.04	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	65683	1.97	ug/l	100
83) 1,4-Dichlorobenzene	11.51	146	65418	1.95	ug/l	99
84) n-Butylbenzene	11.89	91	115620	2.08	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	58525	1.88	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	3597	2.02	ug/l	100
87) 1,2,4-Trichlorobenzene	13.51	180	40695	1.86	ug/l	99
88) Hexachlorobutadiene	13.70	225	25764	2.14	ug/l	99
89) Naphthalene	13.75	128	59480	1.72	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	38833	1.87	ug/l	100

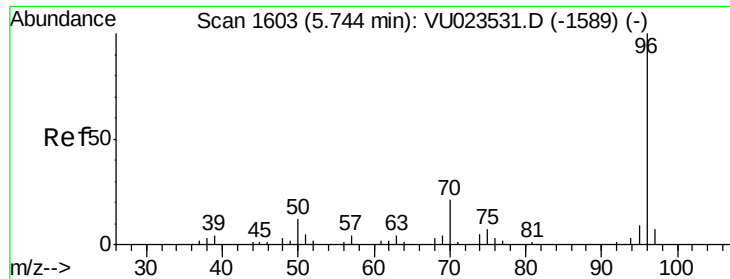
(#)=qualifier out of range (m)=manual integration (+)=signals summed

ALS Vial : 4 Sample Multiplier: 1

VSTDICC002

Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 96 Resp: 55725

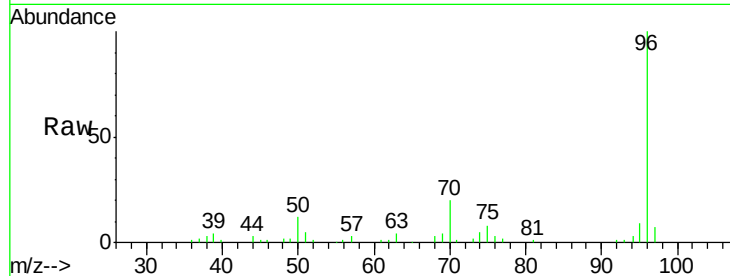
Ion Ratio Lower Upper

96 100

70 21.2 16.2 24.4

95 9.1 6.9 10.3

97 6.9 0.0 0.0#

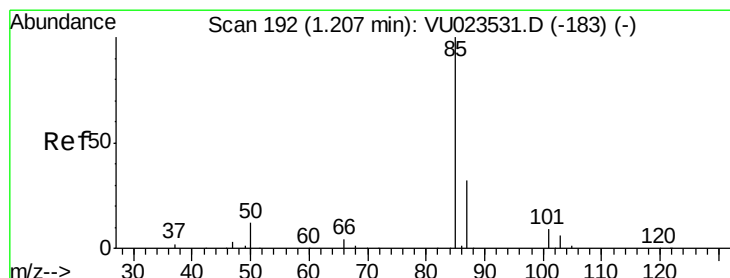
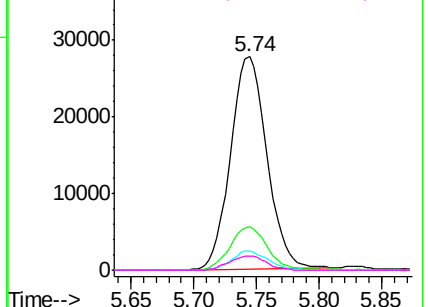
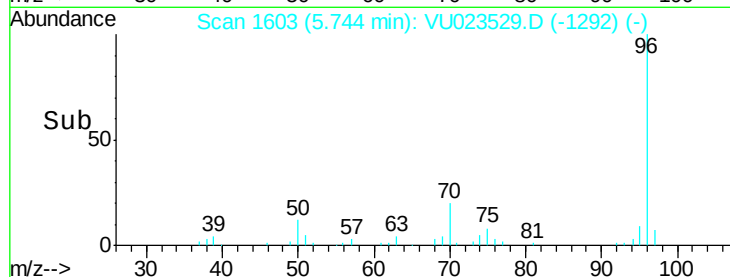


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 2.19 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU023529.D

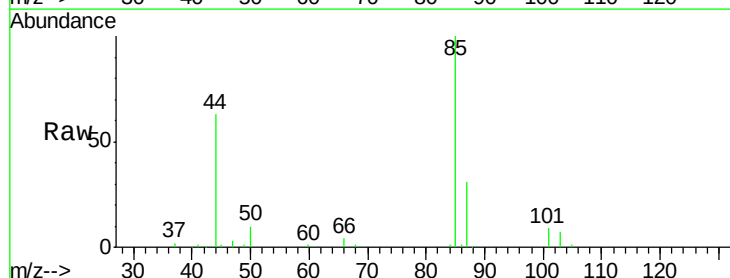
Acq: 30 Apr 2018 15:53

Tgt Ion: 85 Resp: 38553

Ion Ratio Lower Upper

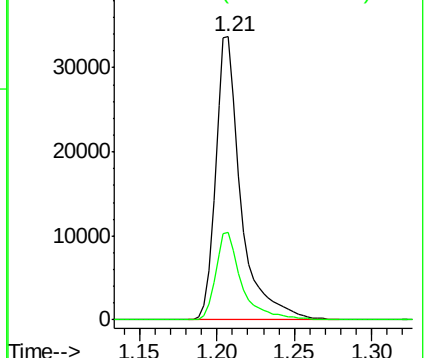
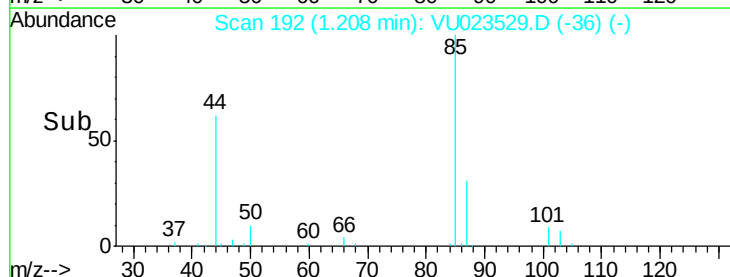
85 100

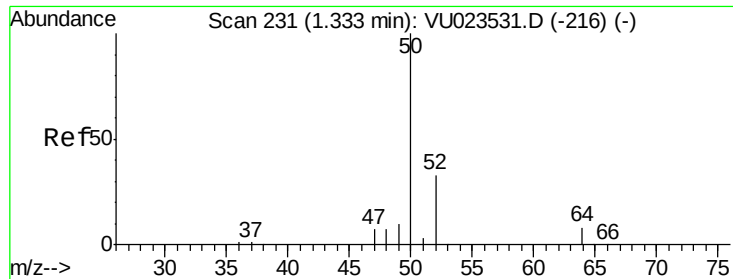
87 30.8 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 1.98 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

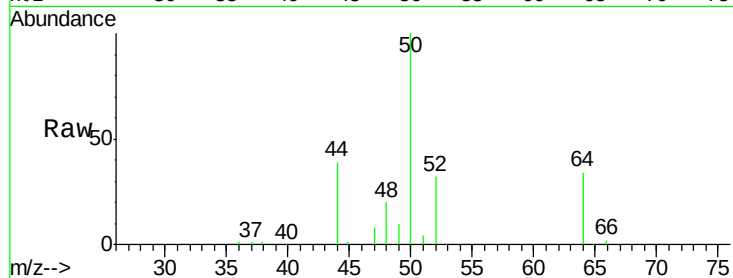
VSTDIC002

Tgt Ion: 50 Resp: 44235

Ion Ratio Lower Upper

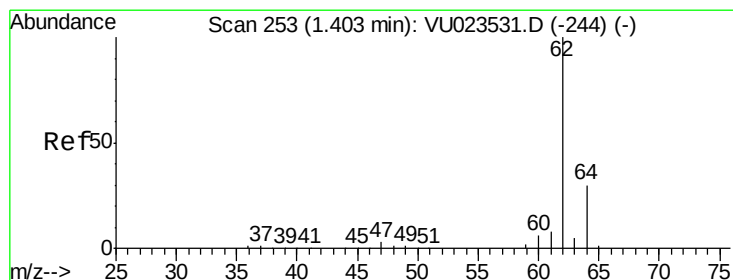
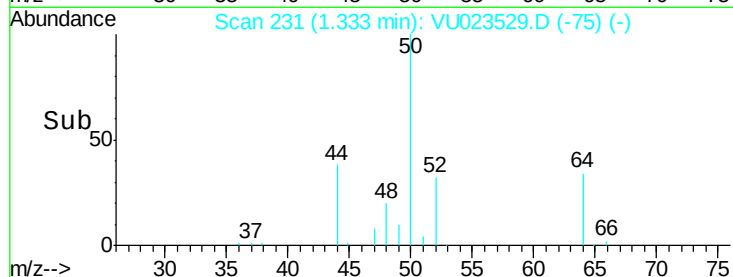
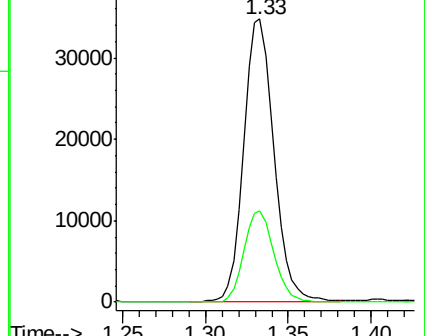
50 100

52 32.2 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 2.09 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU023529.D

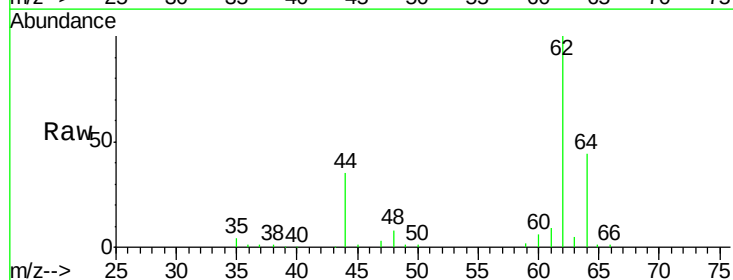
Acq: 30 Apr 2018 15:53

Tgt Ion: 62 Resp: 42375

Ion Ratio Lower Upper

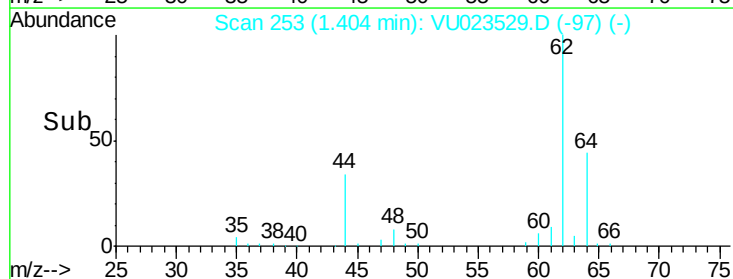
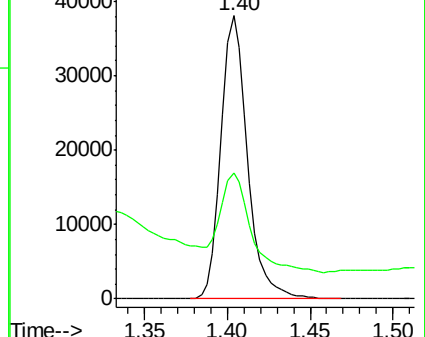
62 100

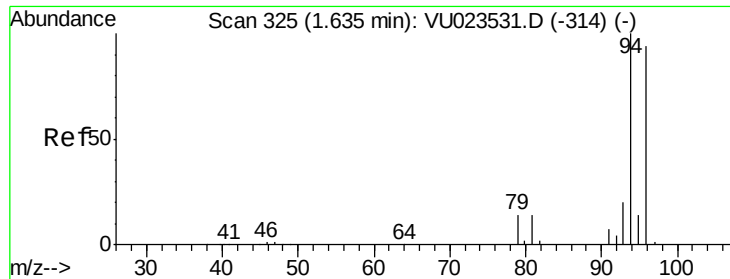
64 34.5 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

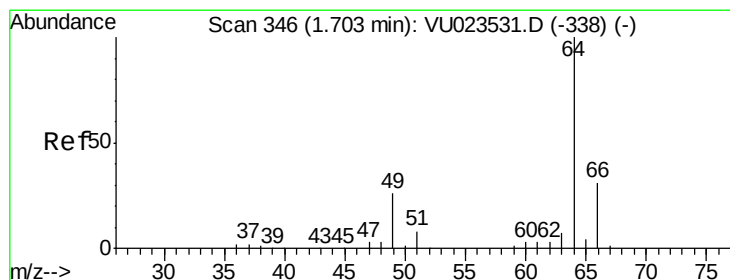
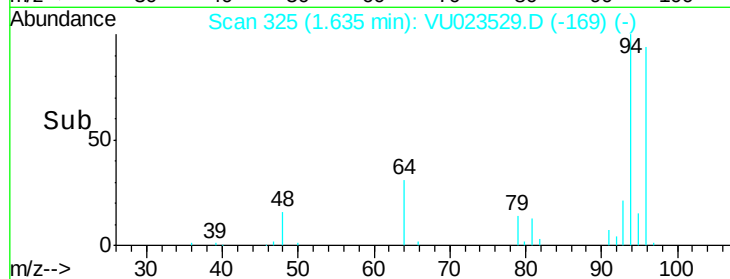
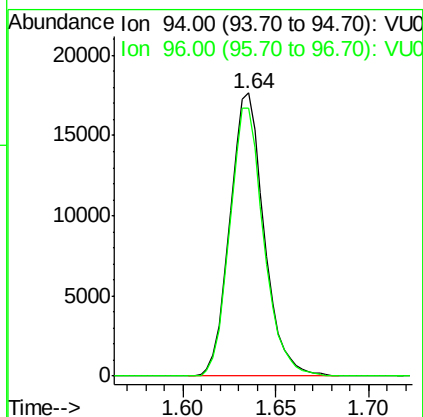
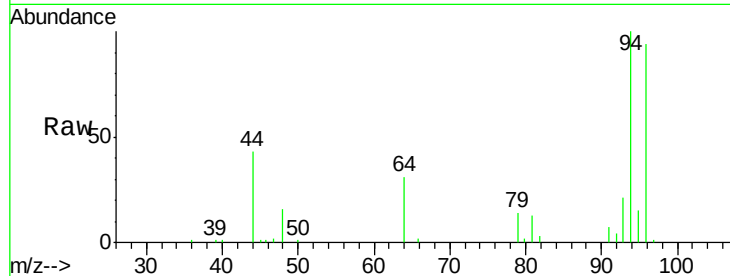




#5
Bromomethane
Concen: 1.71 ug/l
RT: 1.64 min Scan# 325
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

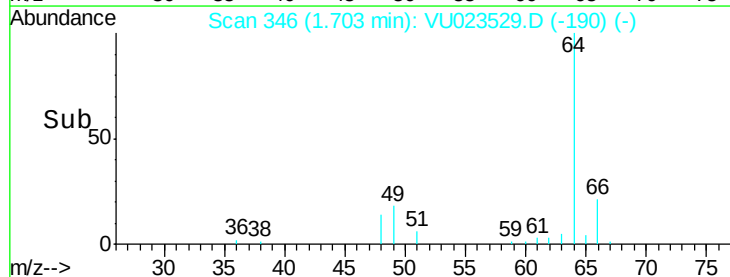
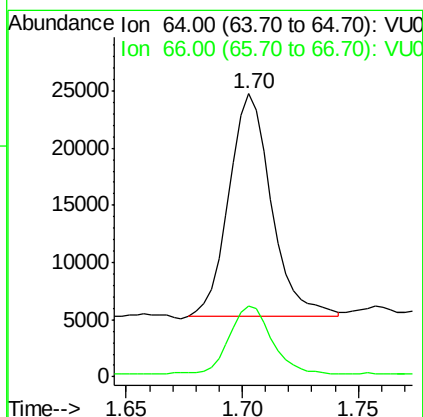
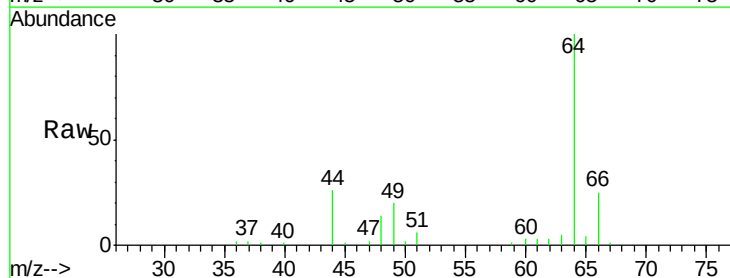
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

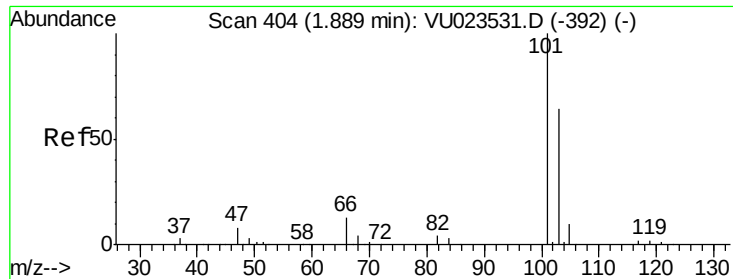
Tgt Ion: 94 Resp: 22598
Ion Ratio Lower Upper
94 100
96 94.5 75.1 112.7



#6
Chloroethane
Concen: 2.12 ug/l
RT: 1.70 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion: 64 Resp: 24584
Ion Ratio Lower Upper
64 100
66 30.6 24.9 37.3





#7

Trichlorofluoromethane

Concen: 2.16 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

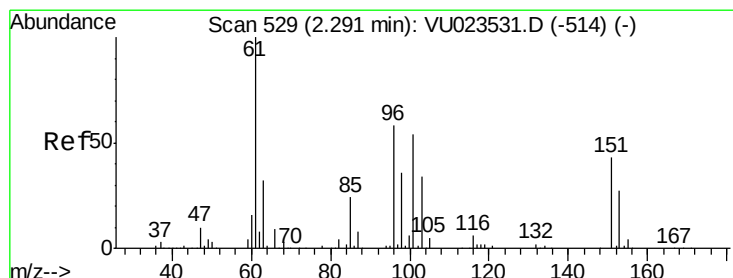
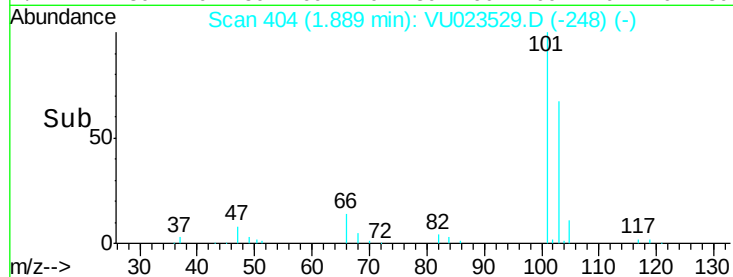
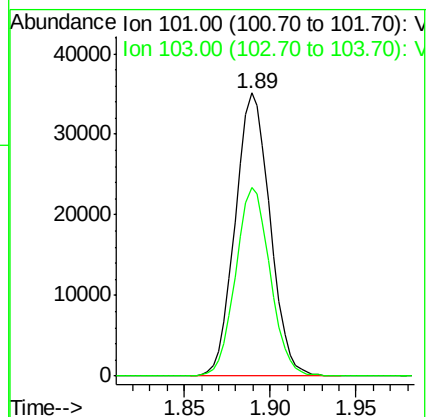
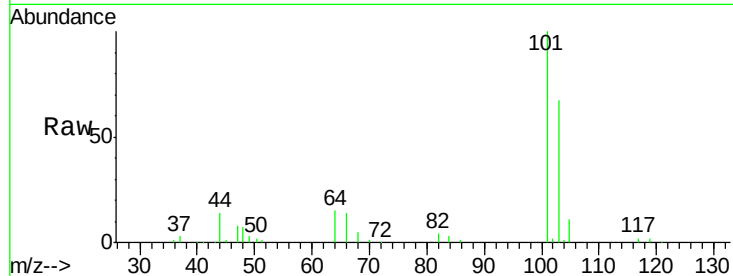
VSTDIC002

Tgt Ion:101 Resp: 49393

Ion Ratio Lower Upper

101 100

103 66.7 51.4 77.0



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.19 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

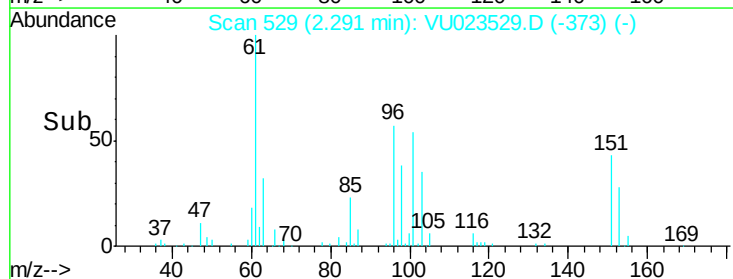
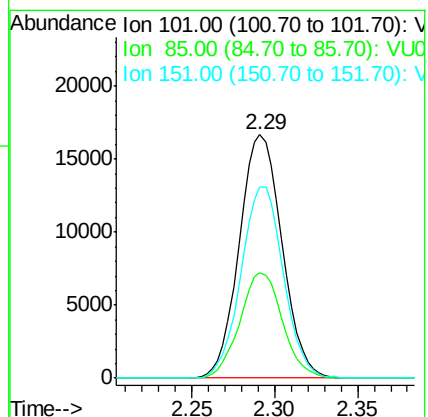
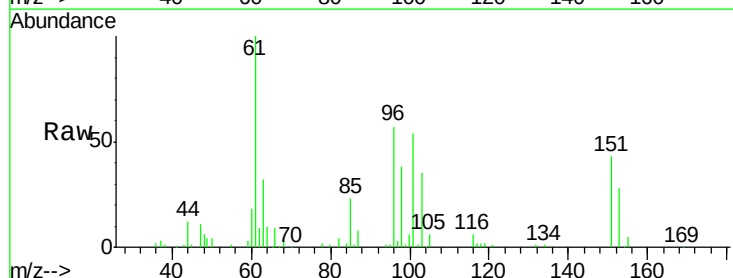
Tgt Ion:101 Resp: 29943

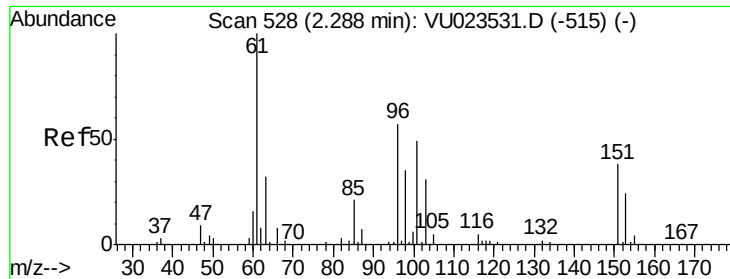
Ion Ratio Lower Upper

101 100

85 43.2 35.2 52.8

151 78.0 63.5 95.3





#9

1,1-Dichloroethene

Concen: 2.01 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

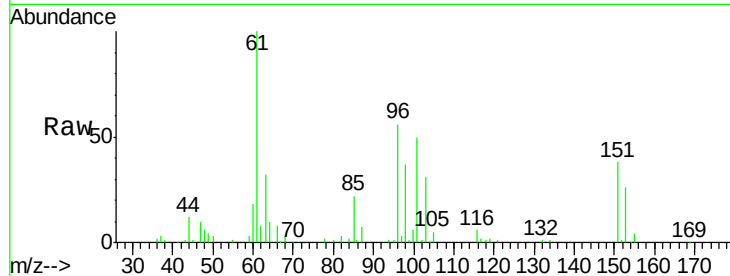
Tgt Ion: 96 Resp: 27509

Ion Ratio Lower Upper

96 100

61 179.5 0.0 526.5

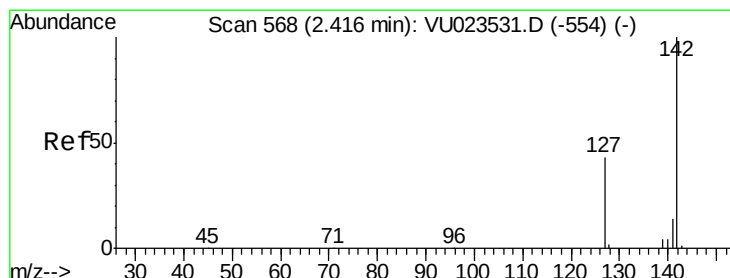
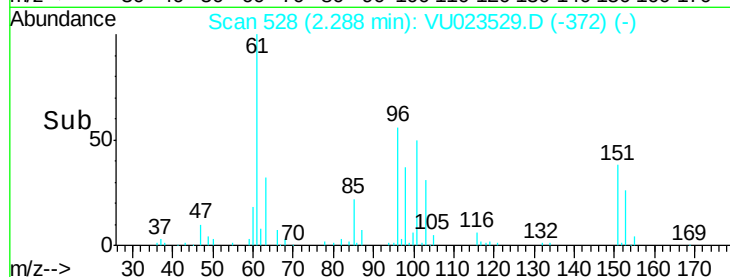
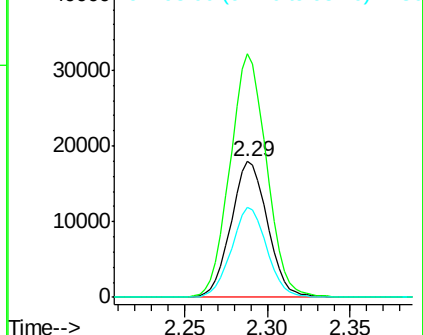
98 66.1 0.0 123.4



Abundance Ion 96.00 (95.70 to 96.70): VU023529.D (-372) (-)

Ion 61.00 (60.70 to 61.70): VU023529.D (-372) (-)

Ion 98.00 (97.70 to 98.70): VU023529.D (-372) (-)



#10

Iodomethane

Concen: 2.14 ug/l

RT: 2.41 min Scan# 567

Delta R.T. -0.00 min

Lab File: VU023529.D

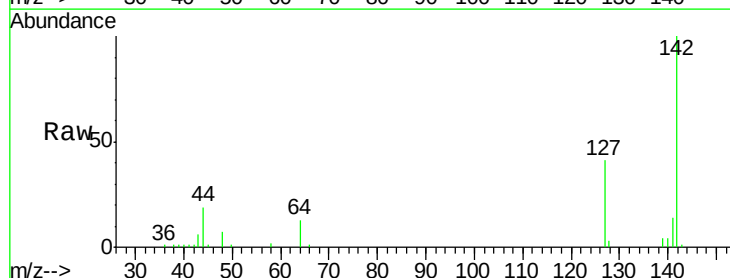
Acq: 30 Apr 2018 15:53

Tgt Ion: 142 Resp: 32800

Ion Ratio Lower Upper

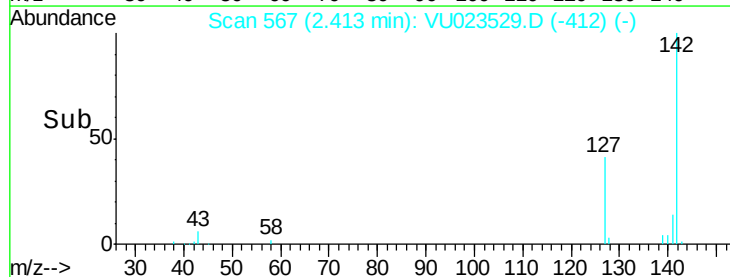
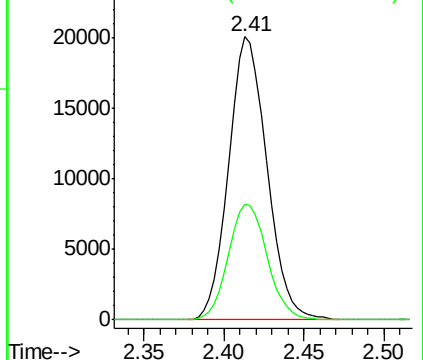
142 100

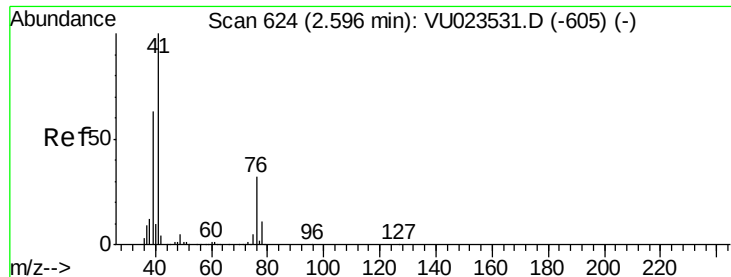
127 41.4 34.5 51.7



Abundance Ion 142.00 (141.70 to 142.70): VU023529.D (-412) (-)

Ion 127.00 (126.70 to 127.70): VU023529.D (-412) (-)

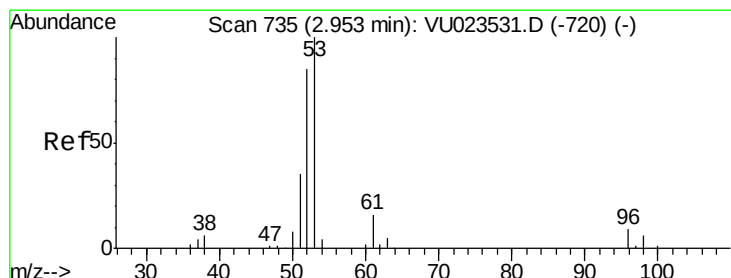
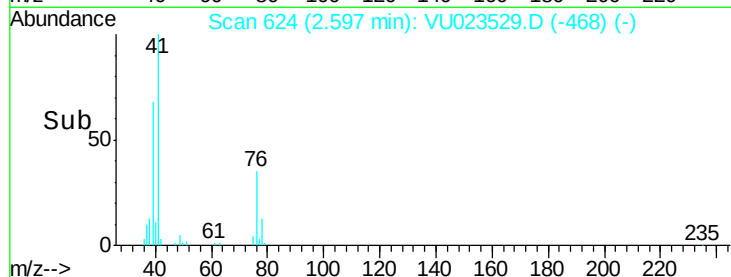
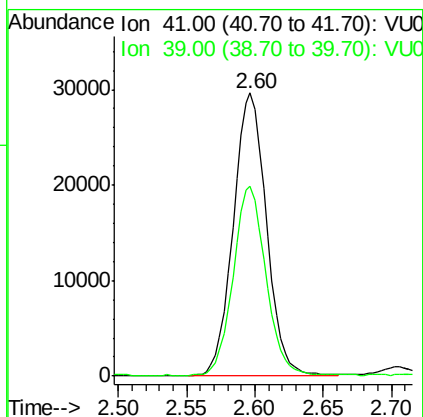
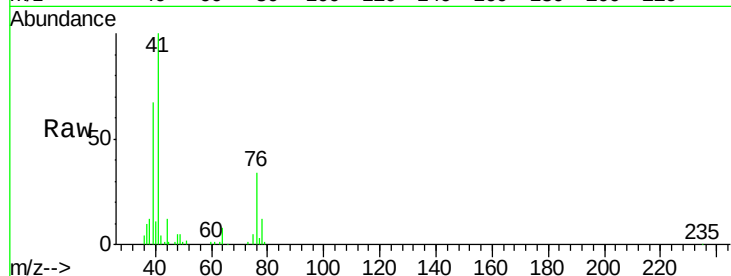




#11
 Allyl Chloride
 Concen: 2.30 ug/l
 RT: 2.60 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

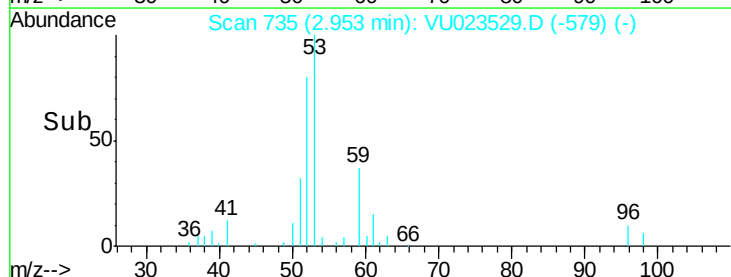
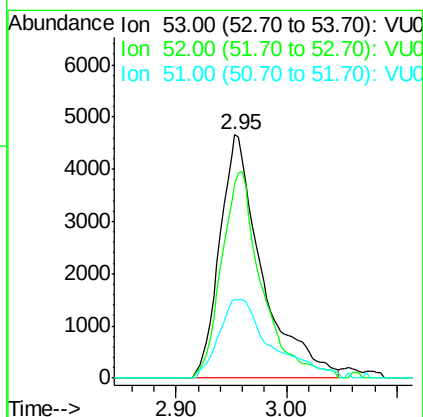
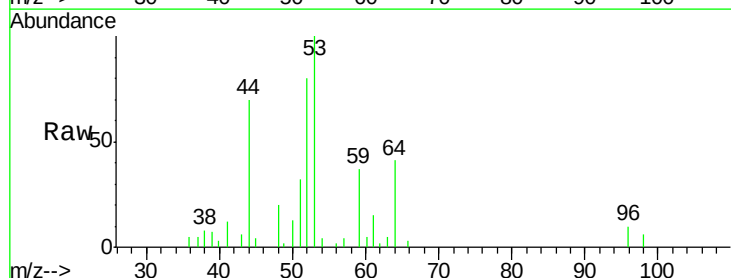
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

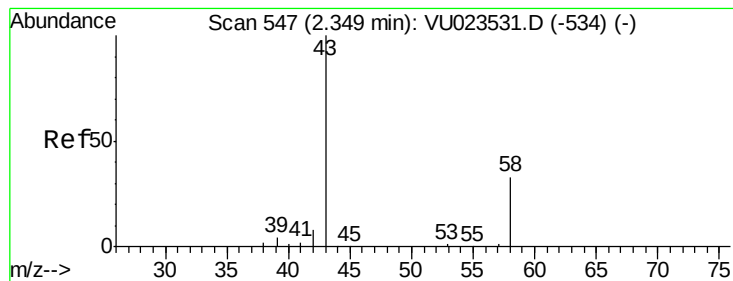
Tgt Ion: 41 Resp: 50188
 Ion Ratio Lower Upper
 41 100
 39 66.3 51.4 77.2



#12
 Acrylonitrile
 Concen: 3.98 ug/l
 RT: 2.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion: 53 Resp: 12364
 Ion Ratio Lower Upper
 53 100
 52 80.6 65.1 97.7
 51 39.8 30.2 45.4





#13

Acetone

Concen: 9.90 ug/l

RT: 2.35 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

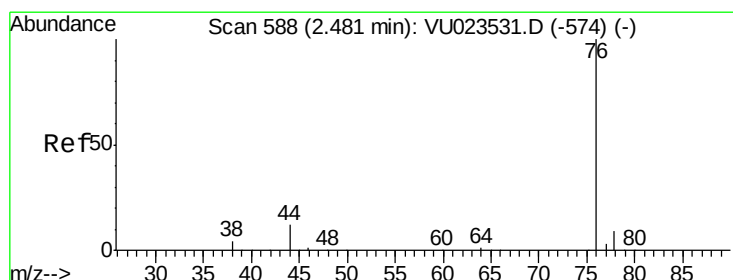
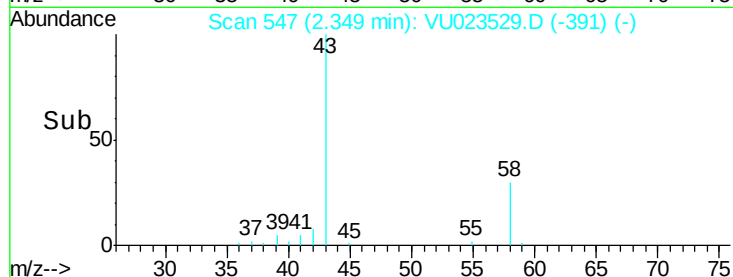
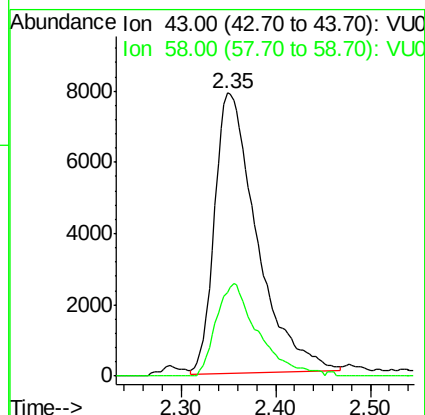
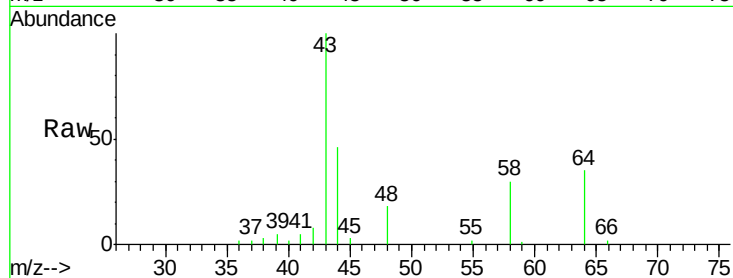
VSTDIC002

Tgt Ion: 43 Resp: 24448

Ion Ratio Lower Upper

43 100

58 30.4 26.0 39.0



#14

Carbon Disulfide

Concen: 2.10 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU023529.D

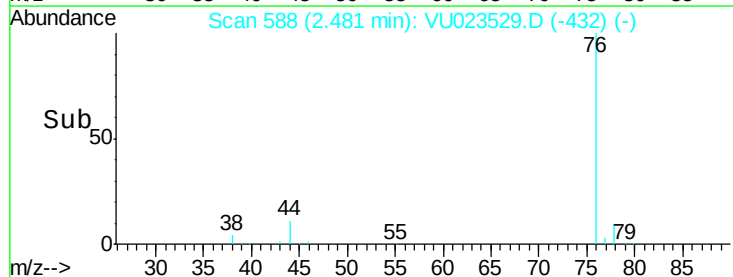
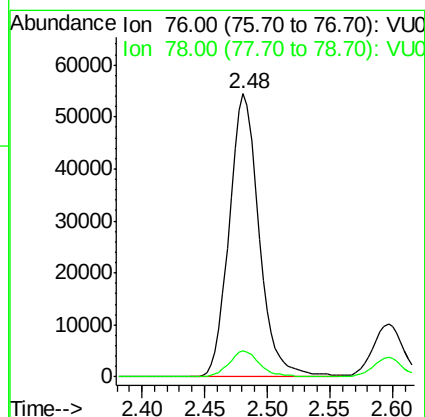
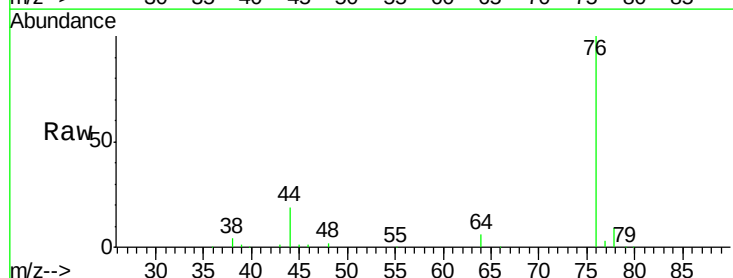
Acq: 30 Apr 2018 15:53

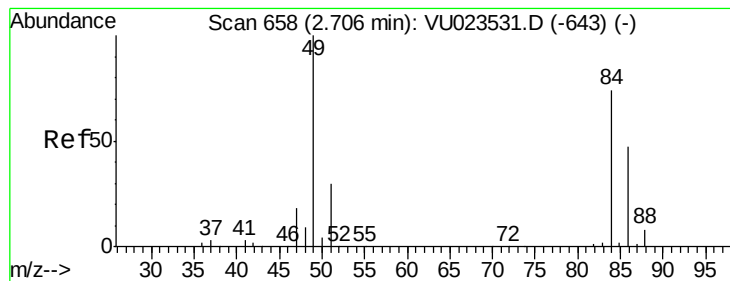
Tgt Ion: 76 Resp: 90108

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9





#15

Methylene Chloride

Concen: 1.82 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 84 Resp: 30135

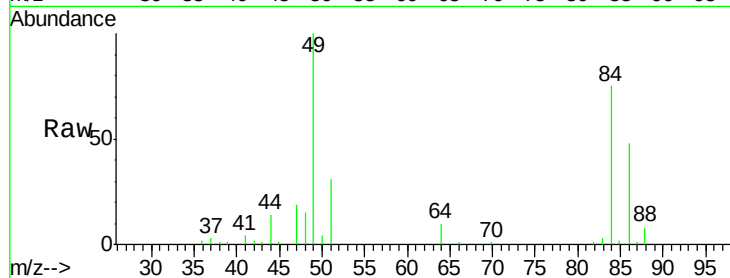
Ion Ratio Lower Upper

84 100

49 134.0 108.7 163.1

51 41.0 0.0 82.4

86 64.2 50.7 76.1

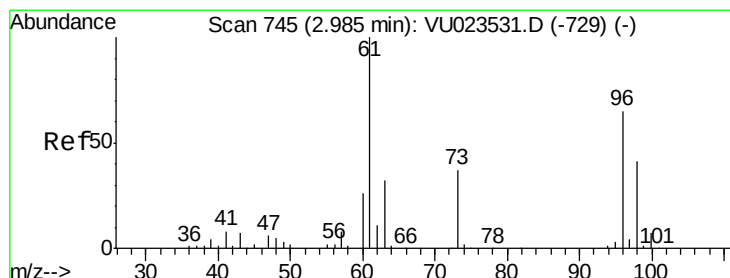
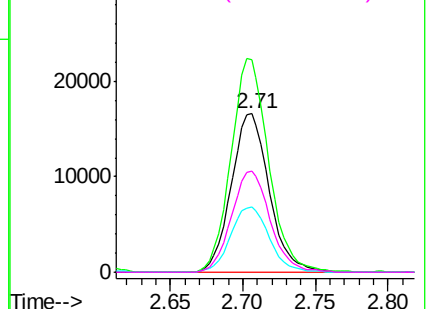
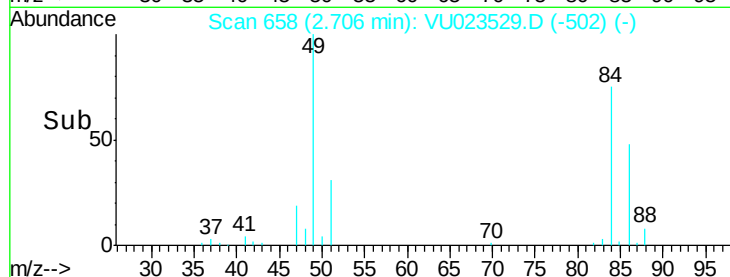


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 2.02 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

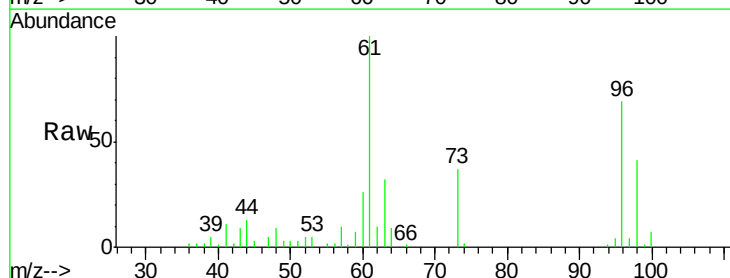
Tgt Ion: 96 Resp: 29896

Ion Ratio Lower Upper

96 100

61 145.8 123.9 185.9

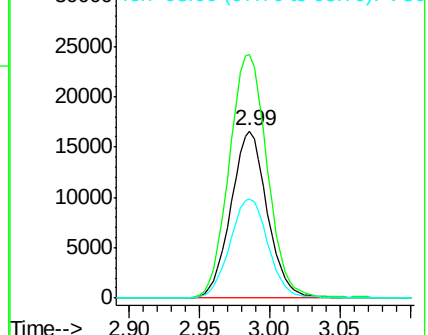
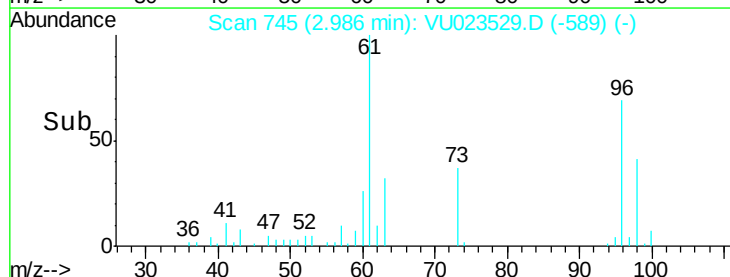
98 59.6 50.6 76.0

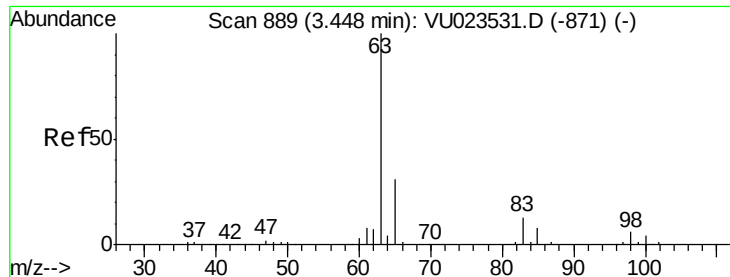


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

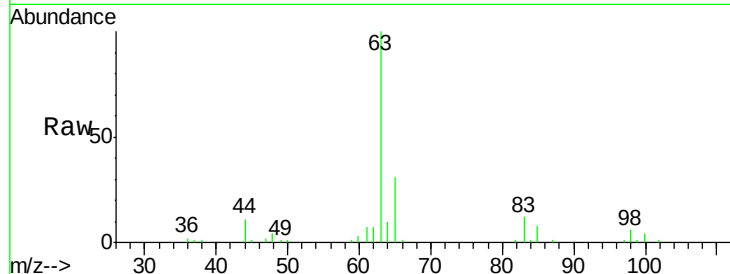




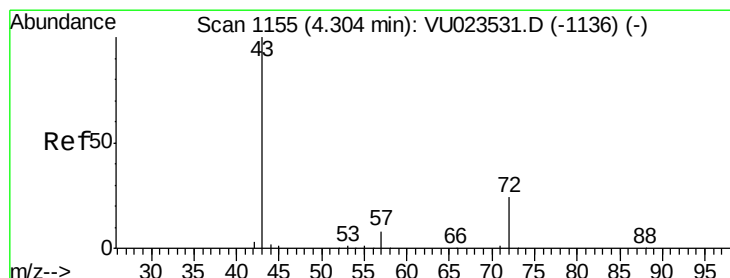
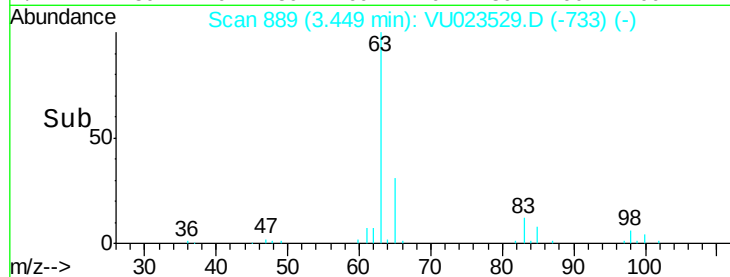
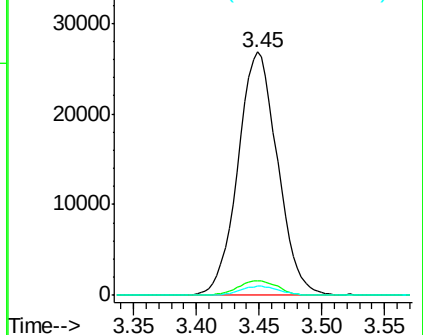
#17
 1,1-Dichloroethane
 Concen: 2.13 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tgt Ion: 63 Resp: 58847
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.8
 100 3.7 2.0 5.8

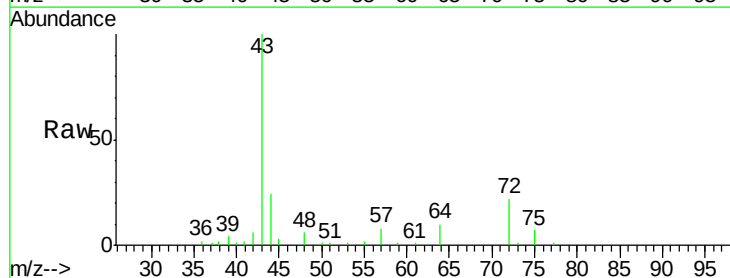


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

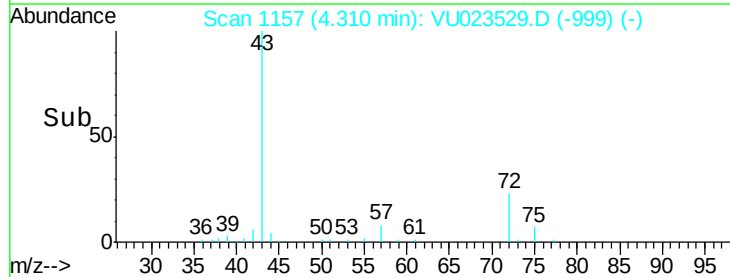
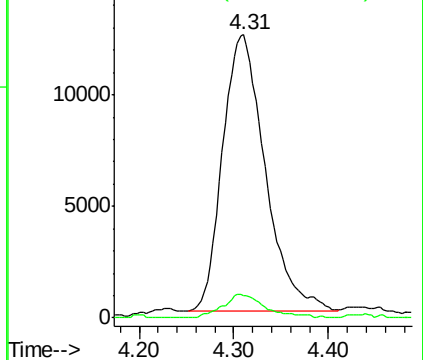


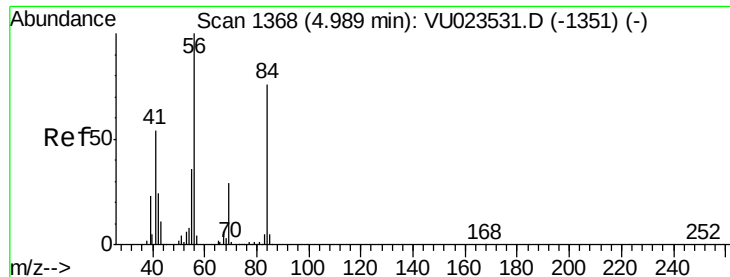
#18
 2-Butanone
 Concen: 10.24 ug/l
 RT: 4.31 min Scan# 1157
 Delta R.T. 0.01 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion: 43 Resp: 38664
 Ion Ratio Lower Upper
 43 100
 57 8.2 0.0 15.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0

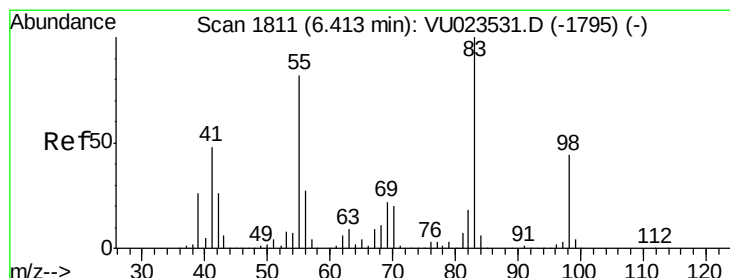
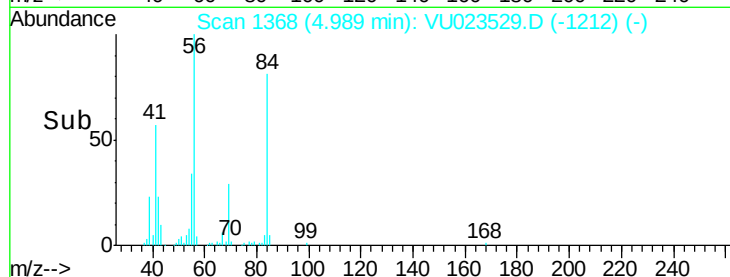
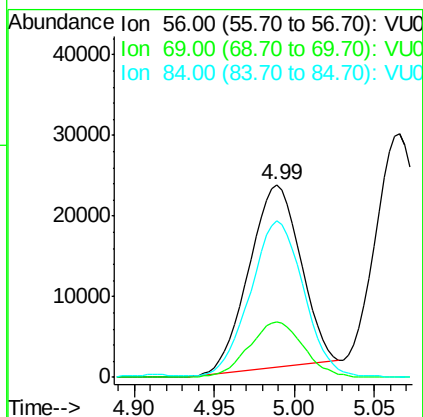
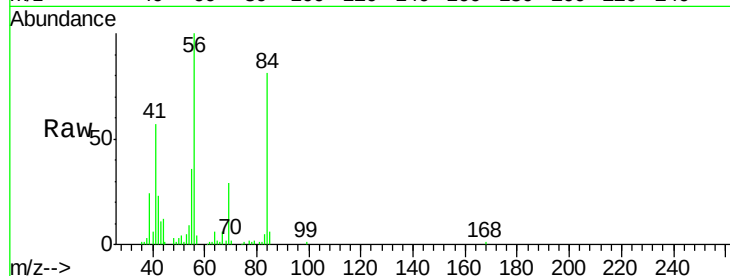




#19
Cyclohexane
Concen: 2.54 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

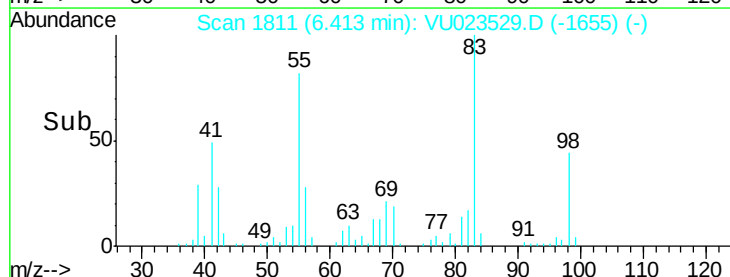
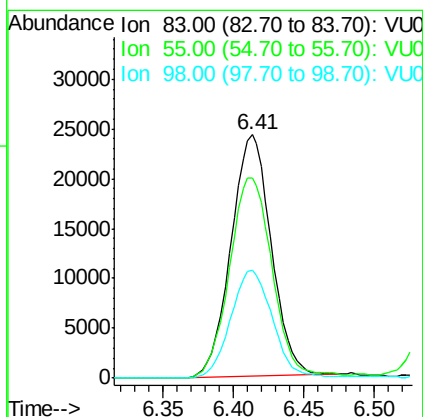
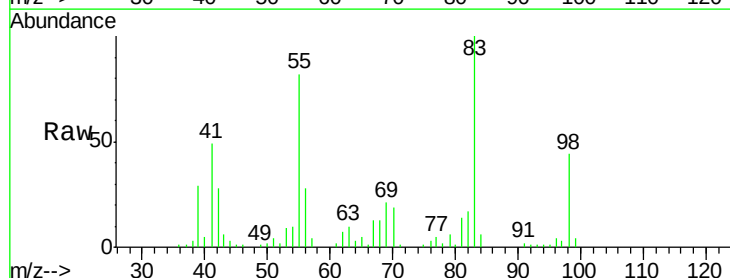
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

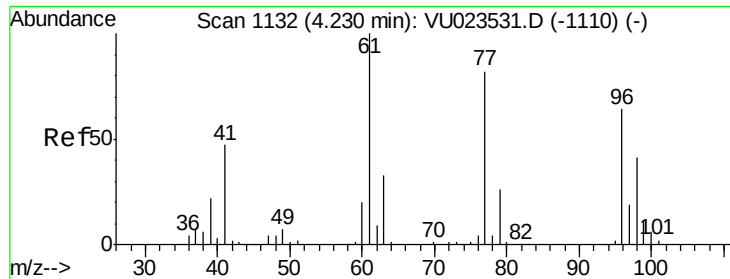
Tgt Ion: 56 Resp: 50665
Ion Ratio Lower Upper
56 100
69 32.0 26.0 39.0
84 86.9 68.3 102.5



#20
Methylcyclohexane
Concen: 2.10 ug/l
RT: 6.41 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion: 83 Resp: 48464
Ion Ratio Lower Upper
83 100
55 84.9 66.4 99.6
98 45.4 35.4 53.2





#21

2,2-Dichloropropane

Concen: 2.28 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

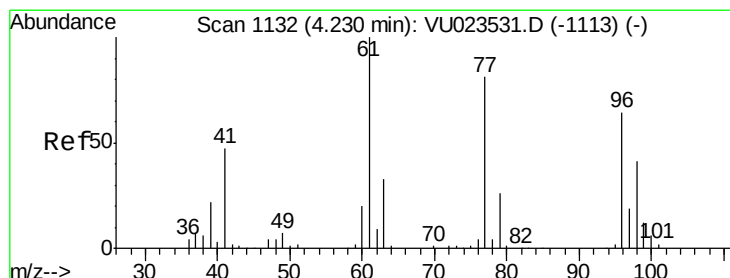
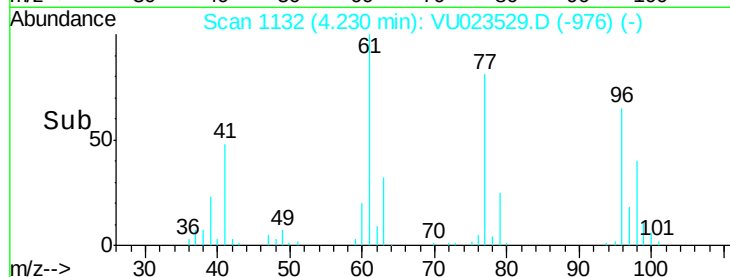
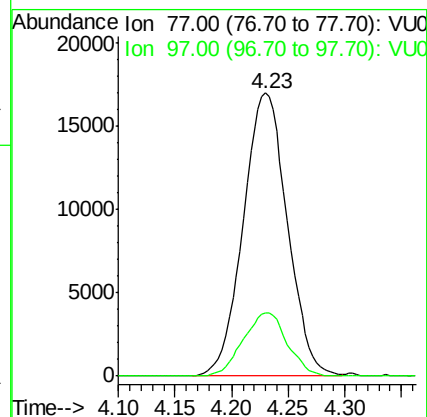
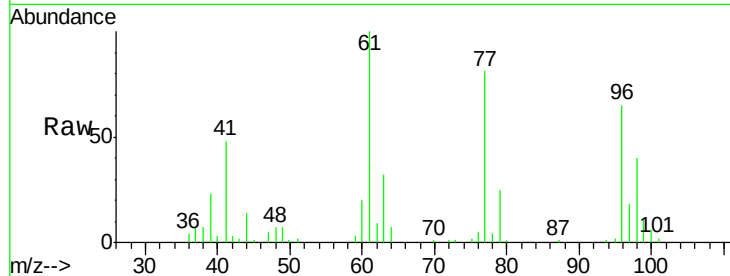
VSTDIC002

Tgt Ion: 77 Resp: 46121

Ion Ratio Lower Upper

77 100

97 22.3 17.9 26.9



#22

cis-1,2-Dichloroethene

Concen: 1.98 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

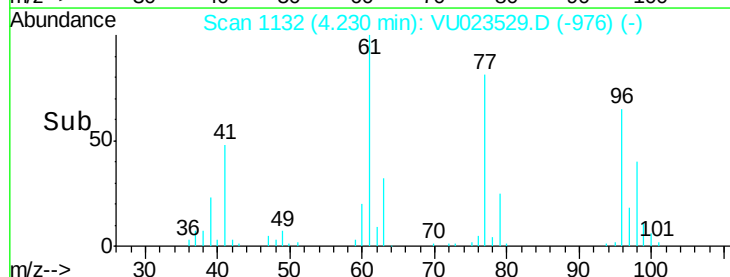
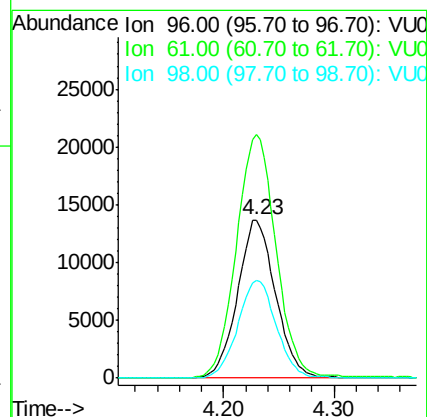
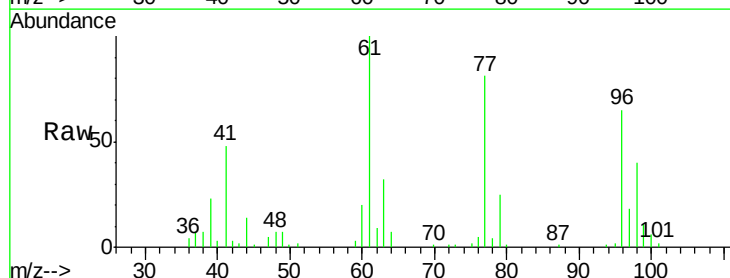
Tgt Ion: 96 Resp: 32620

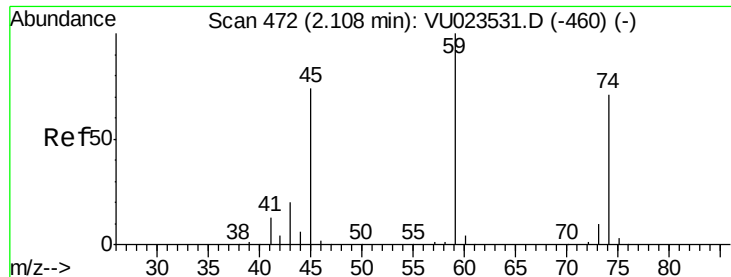
Ion Ratio Lower Upper

96 100

61 159.8 0.0 400.5

98 62.5 32.2 96.6

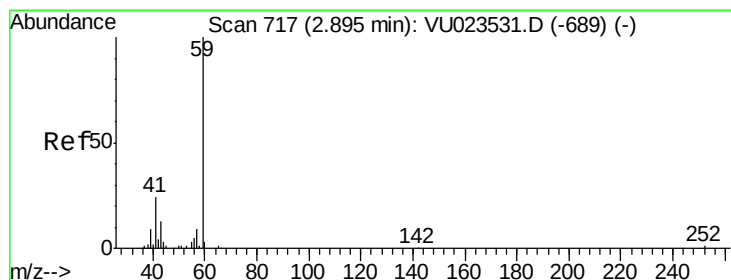
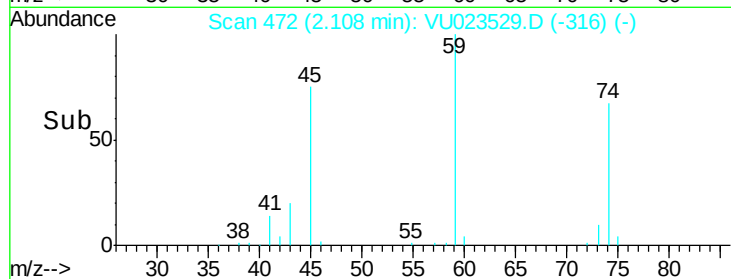
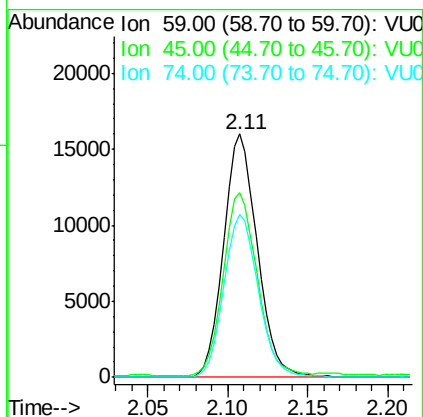
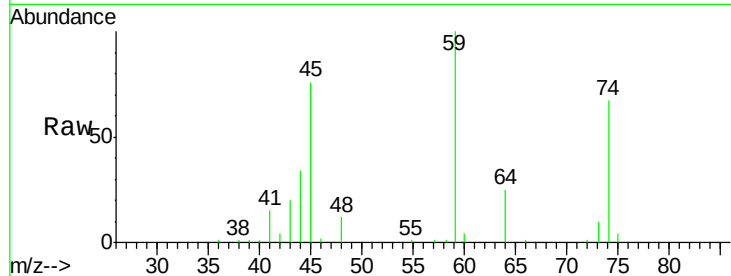




#23
Diethyl Ether
Concen: 2.06 ug/l
RT: 2.11 min Scan# 472
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

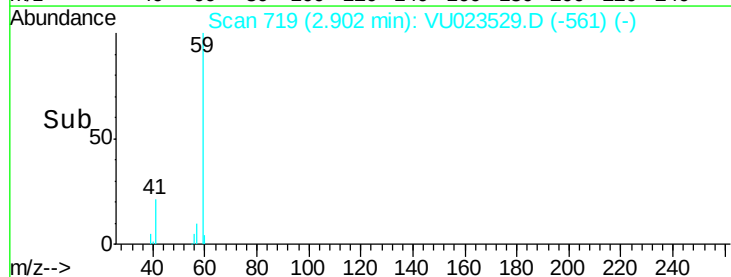
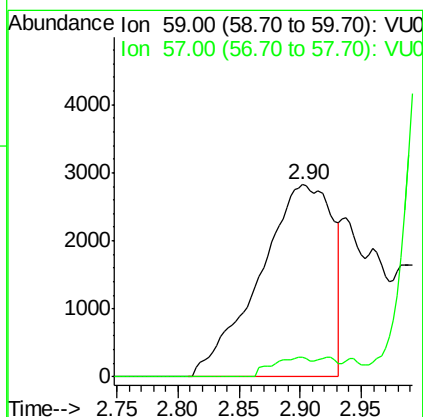
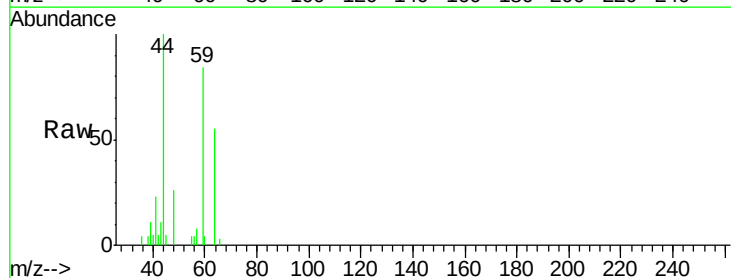
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

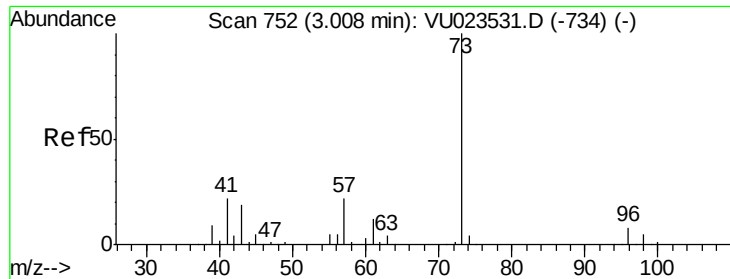
Tgt Ion: 59 Resp: 23053
Ion Ratio Lower Upper
59 100
45 75.4 60.0 90.0
74 68.7 56.5 84.7



#24
tert-Butyl Alcohol
Concen: 10.78 ug/l
RT: 2.90 min Scan# 719
Delta R.T. 0.01 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion: 59 Resp: 11728
Ion Ratio Lower Upper
59 100
57 5.6 3.4 5.2#





#25

Methyl tert-Butyl Ether

Concen: 2.02 ug/l

RT: 3.01 min Scan# 752

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

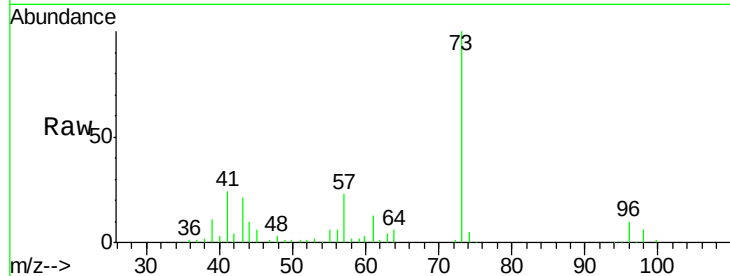
VSTDIC002

Tgt Ion: 73 Resp: 69876

Ion Ratio Lower Upper

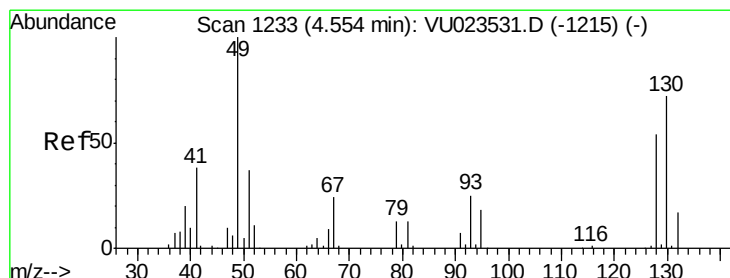
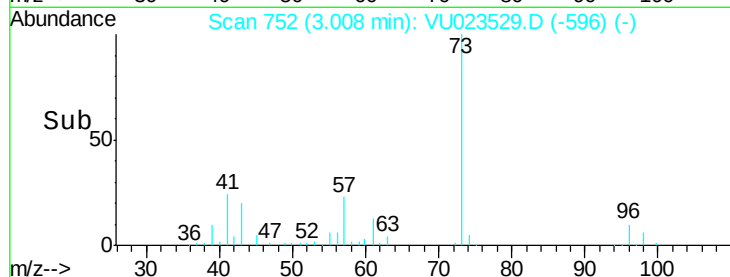
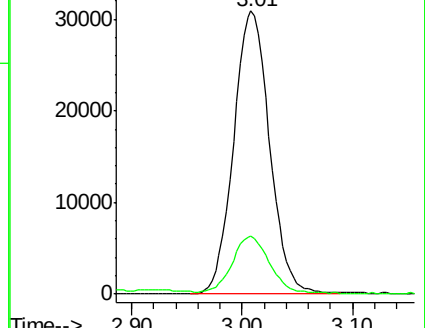
73 100

43 20.5 16.2 24.2



Abundance Ion 73.00 (72.70 to 73.70): VU023529.D (-734) (-)

Ion 43.00 (42.70 to 43.70): VU023529.D (-734) (-)



#26

Bromochloromethane

Concen: 1.78 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

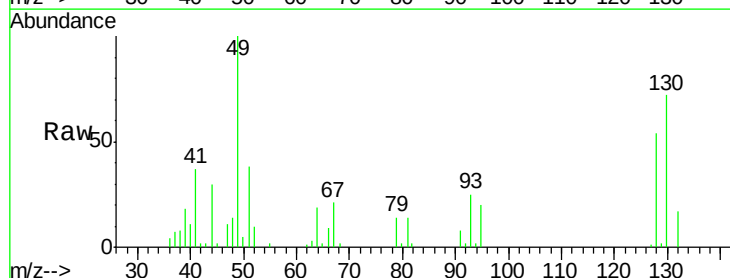
Tgt Ion: 128 Resp: 12845

Ion Ratio Lower Upper

128 100

49 187.7 0.0 375.2

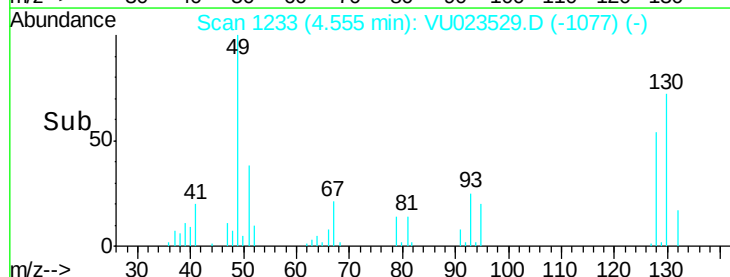
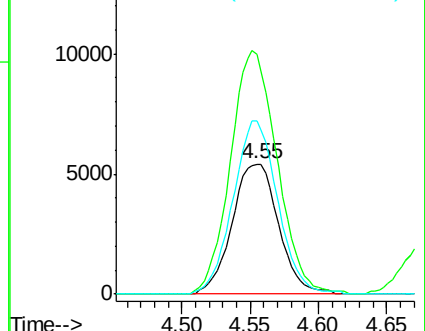
130 128.0 105.8 158.6

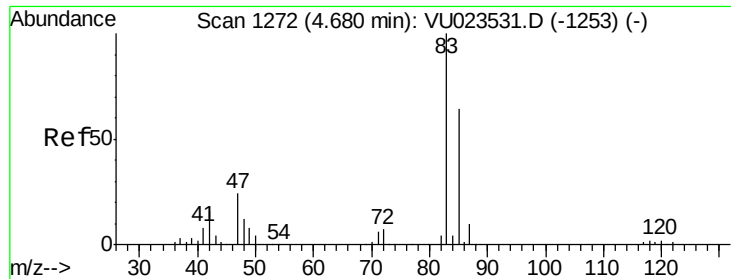


Abundance Ion 128.00 (127.70 to 128.70): VU023529.D (-1077) (-)

Ion 49.00 (48.70 to 49.70): VU023529.D (-1077) (-)

Ion 130.00 (129.70 to 130.70): VU023529.D (-1077) (-)

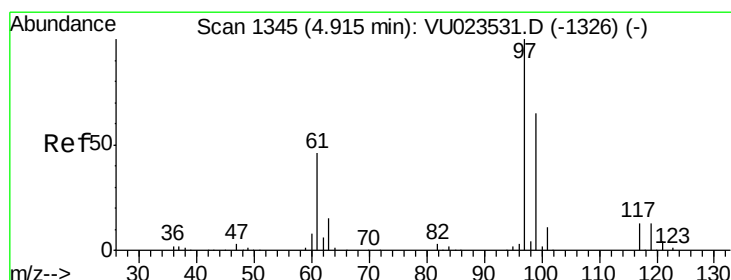
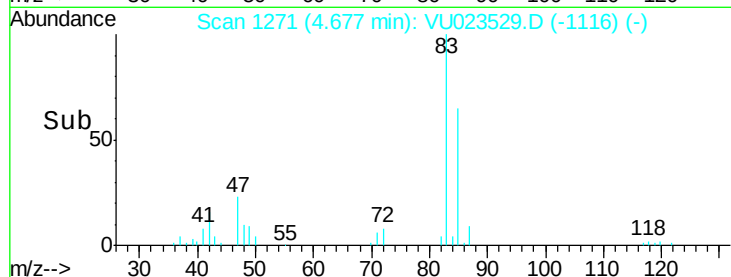
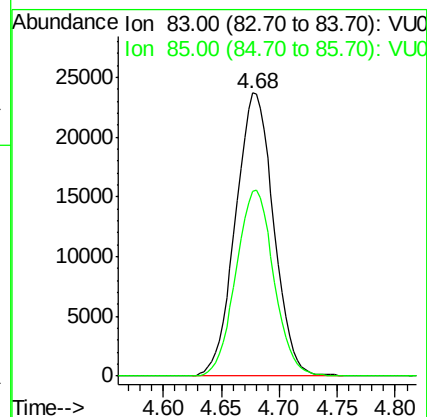
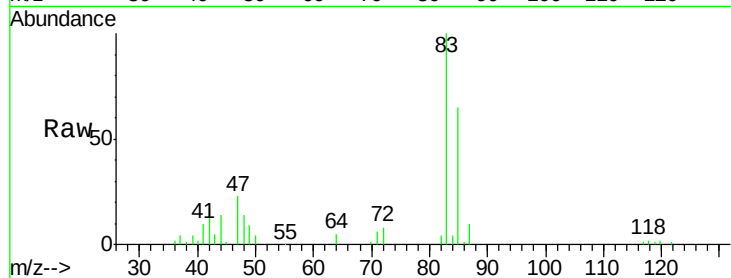




#27
 Chloroform
 Concen: 1.97 ug/l
 RT: 4.68 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

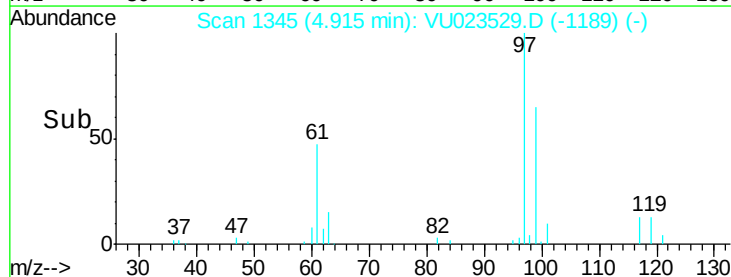
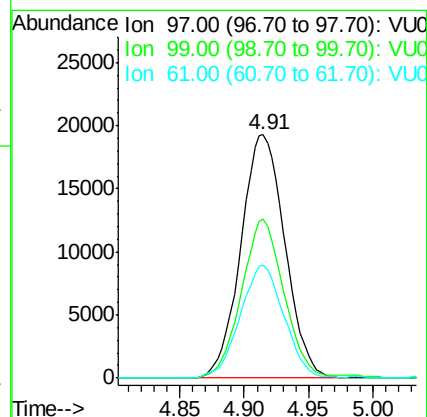
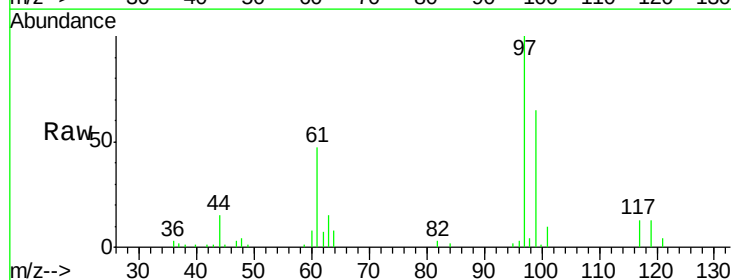
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

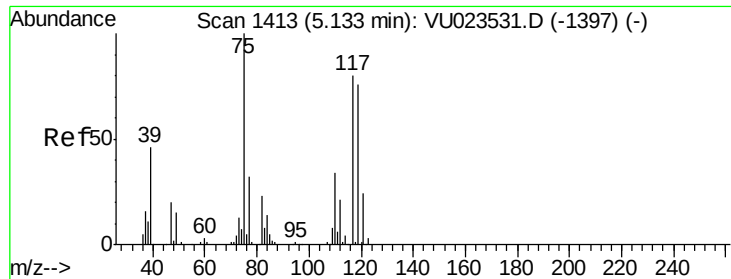
Tgt Ion: 83 Resp: 54175
 Ion Ratio Lower Upper
 83 100
 85 65.1 0.0 128.4



#28
 1,1,1-Trichloroethane
 Concen: 2.16 ug/l
 RT: 4.91 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion: 97 Resp: 45868
 Ion Ratio Lower Upper
 97 100
 99 62.8 32.3 96.9
 61 46.2 23.2 69.5

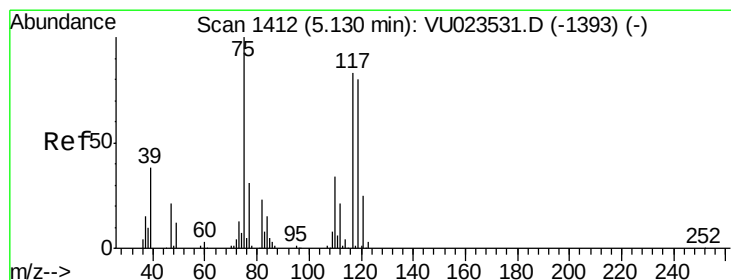
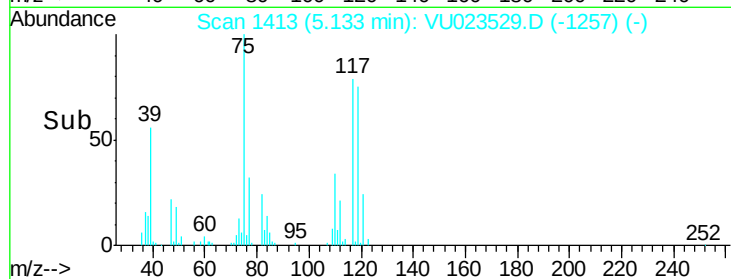
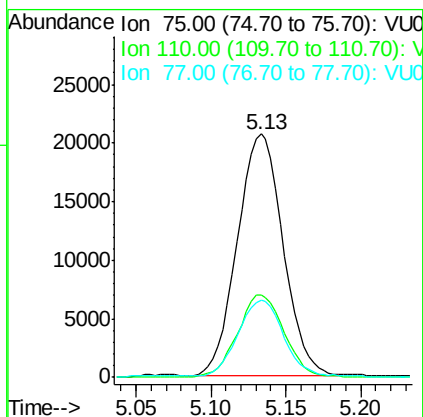
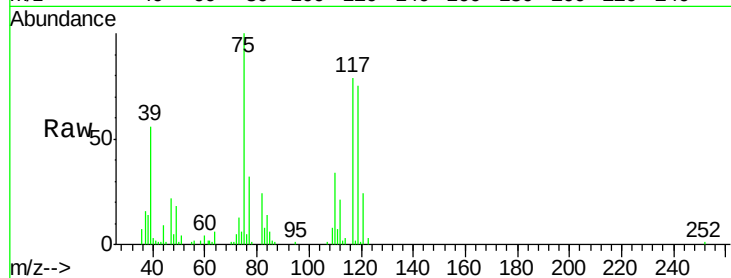




#29
 1,1-Dichloropropene
 Concen: 2.09 ug/l
 RT: 5.13 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

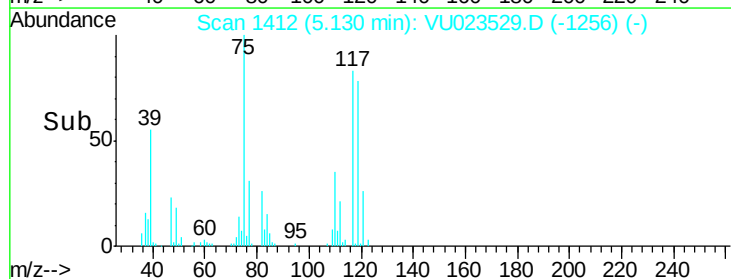
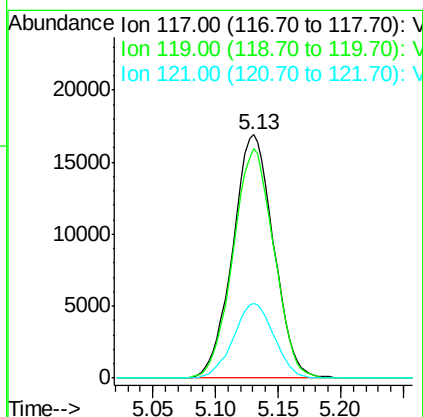
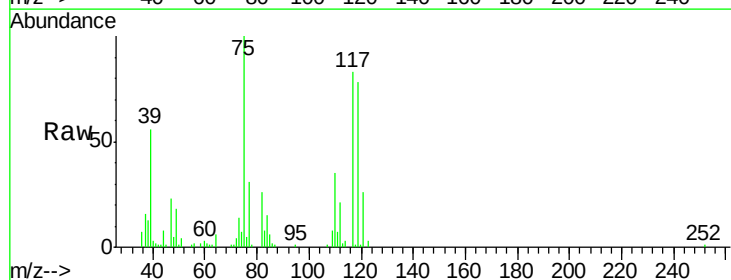
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

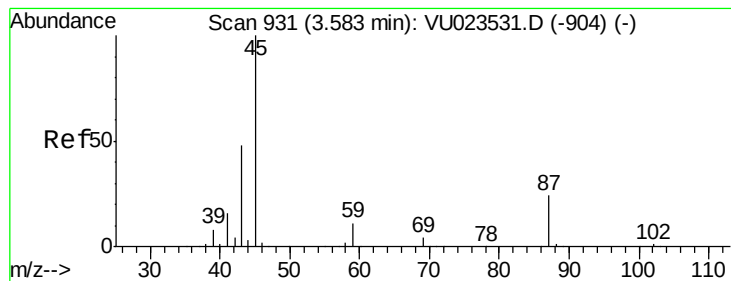
Tgt Ion: 75 Resp: 43728
 Ion Ratio Lower Upper
 75 100
 110 34.8 16.9 50.7
 77 31.0 24.8 37.2



#30
 Carbon Tetrachloride
 Concen: 2.15 ug/l
 RT: 5.13 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion: 117 Resp: 38265
 Ion Ratio Lower Upper
 117 100
 119 94.4 77.3 115.9
 121 30.8 24.5 36.7





#31

Isopropyl Ether

Concen: 2.36 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

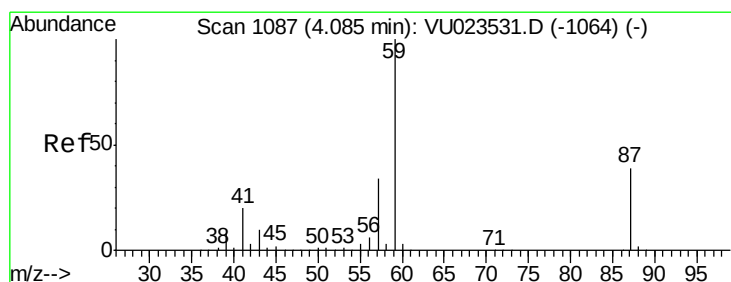
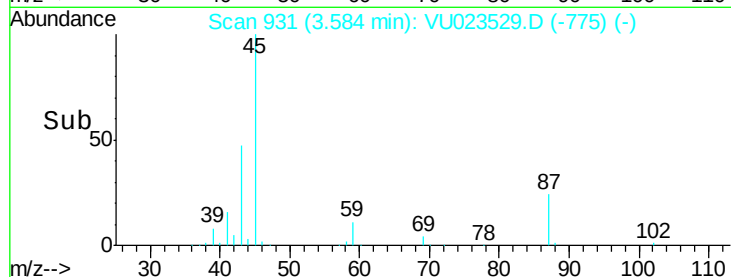
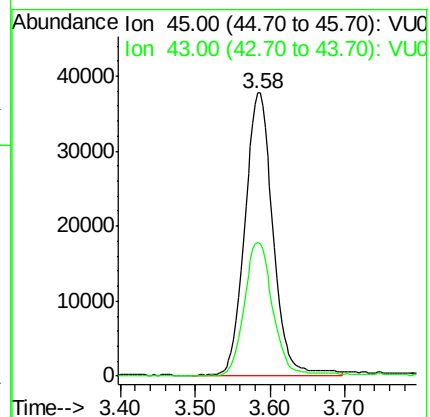
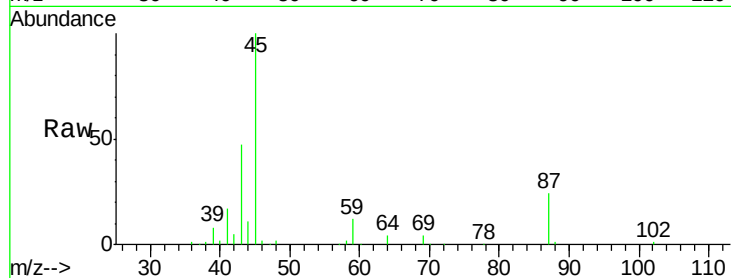
VSTDIC002

Tgt Ion: 45 Resp: 99488

Ion Ratio Lower Upper

45 100

43 46.1 24.0 72.0



#32

Ethyl-t-butyl ether

Concen: 2.19 ug/l

RT: 4.09 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VU023529.D

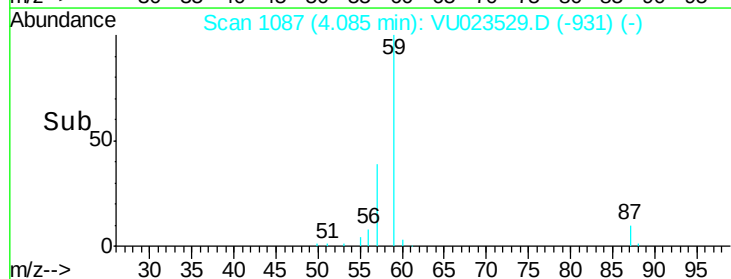
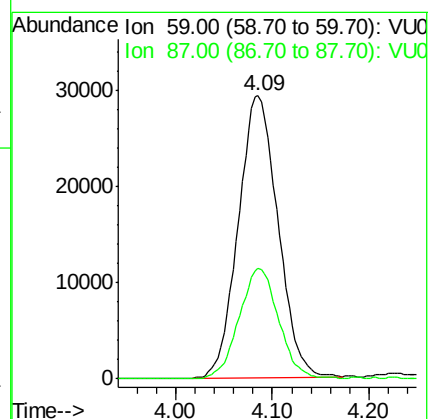
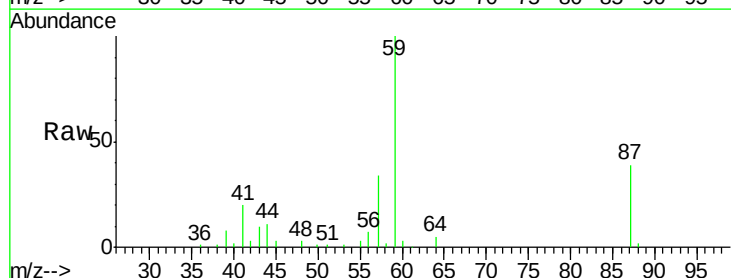
Acq: 30 Apr 2018 15:53

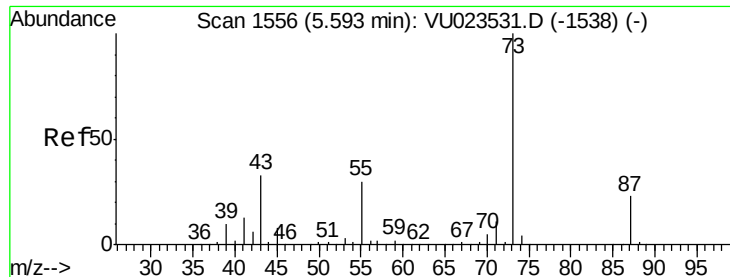
Tgt Ion: 59 Resp: 83471

Ion Ratio Lower Upper

59 100

87 38.2 31.0 46.6

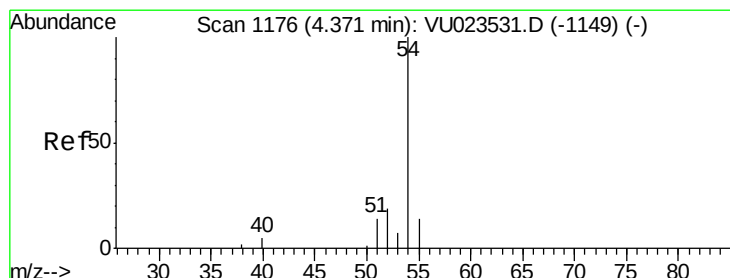
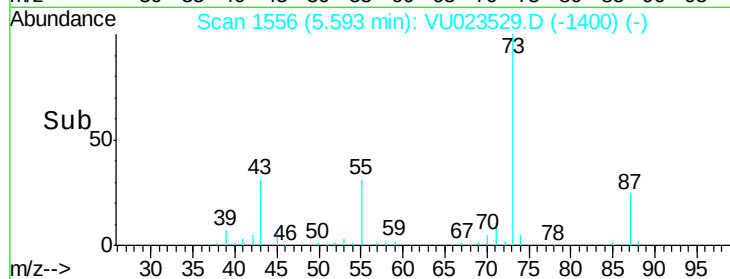
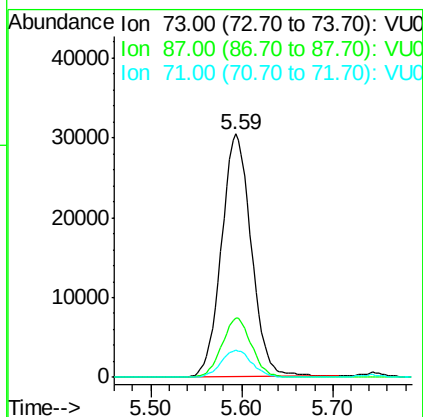
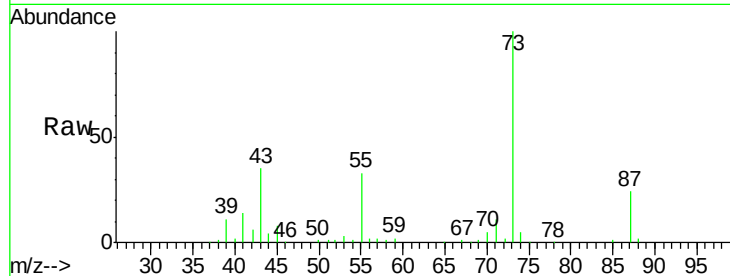




#33
Tert-Amyl methyl ether
Concen: 2.10 ug/l
RT: 5.59 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

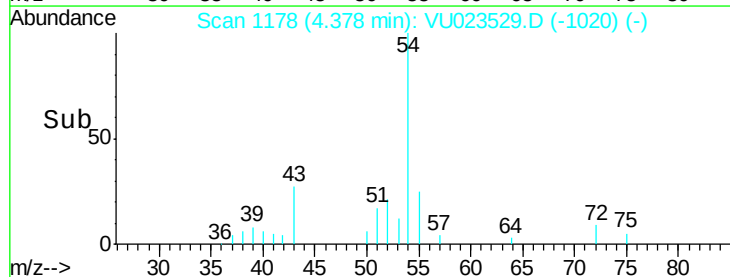
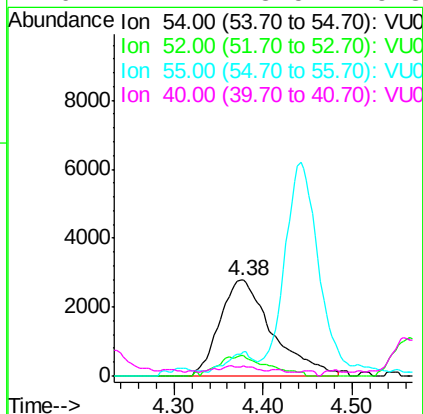
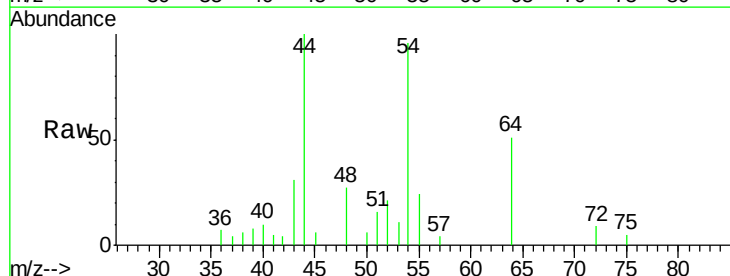
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

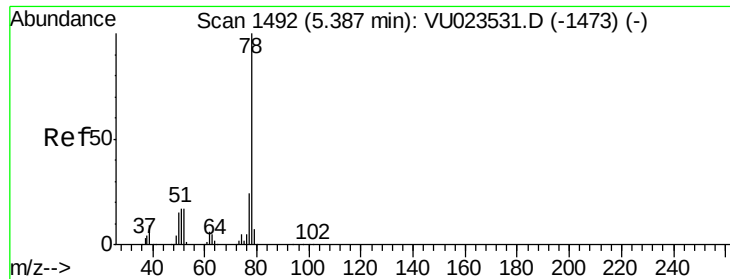
Tgt Ion: 73 Resp: 69242
Ion Ratio Lower Upper
73 100
87 24.4 18.6 28.0
71 11.5 9.3 13.9



#34
Propionitrile
Concen: 9.95 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion: 54 Resp: 11373
Ion Ratio Lower Upper
54 100
52 19.4 13.7 20.5
55 9.8 10.2 15.2#
40 2.2 3.5 5.3#





#35

Benzene

Concen: 2.08 ug/l

RT: 5.39 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

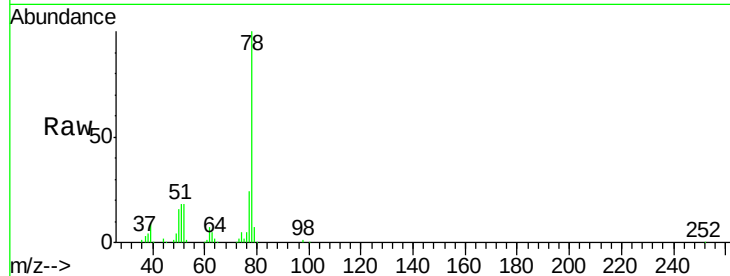
VSTDIC002

Tgt Ion: 78 Resp: 131446

Ion Ratio Lower Upper

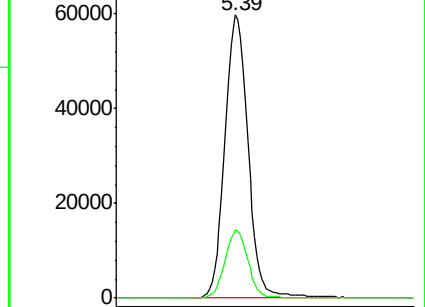
78 100

77 23.9 19.1 28.7

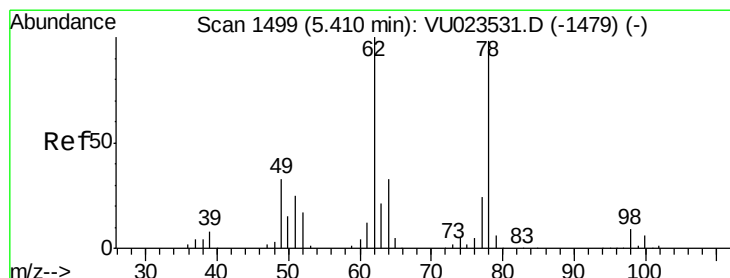
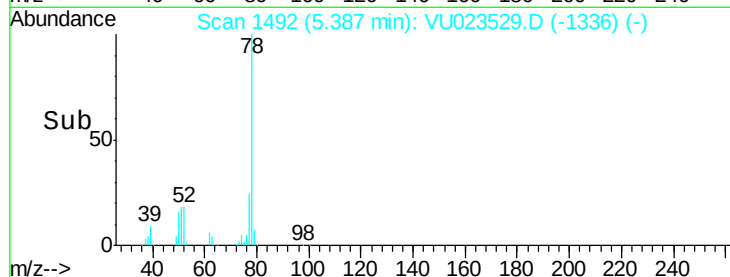


Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->



#36

1,2-Dichloroethane

Concen: 2.18 ug/l

RT: 5.41 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VU023529.D

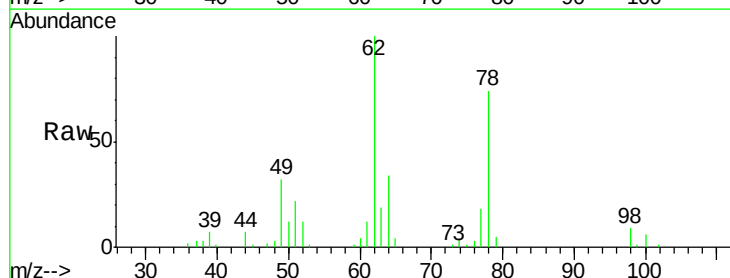
Acq: 30 Apr 2018 15:53

Tgt Ion: 62 Resp: 36485

Ion Ratio Lower Upper

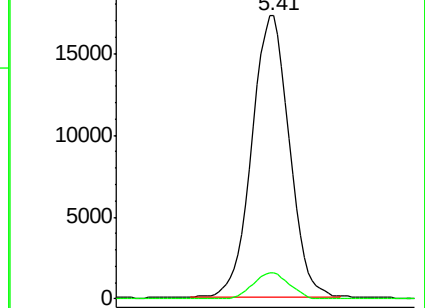
62 100

98 9.0 7.2 10.8

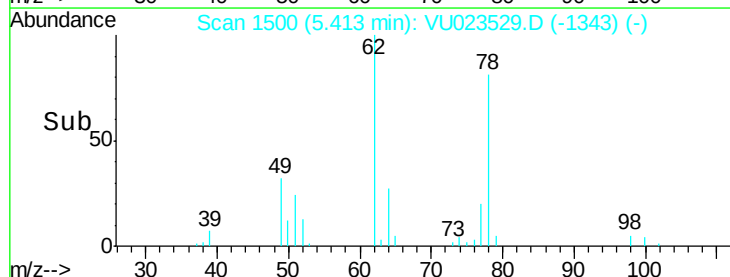


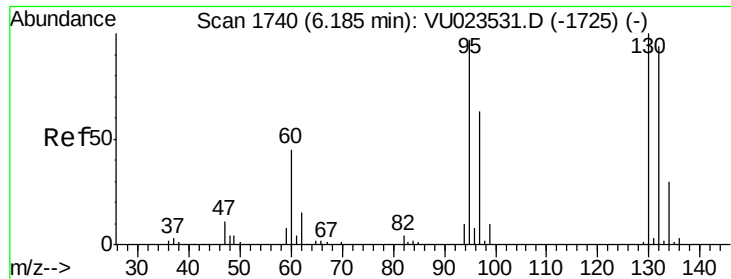
Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



Time-->

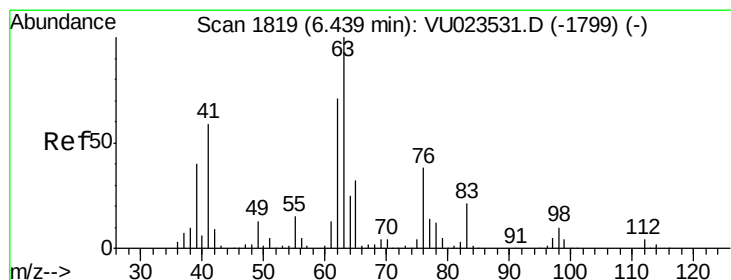
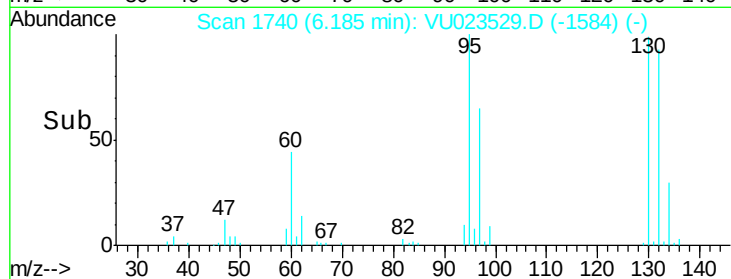
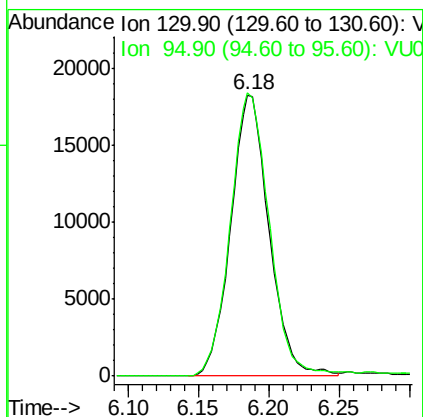
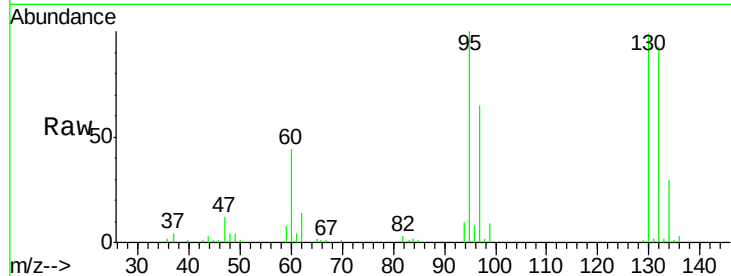




#37
 Trichloroethene
 Concen: 2.06 ug/l
 RT: 6.18 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

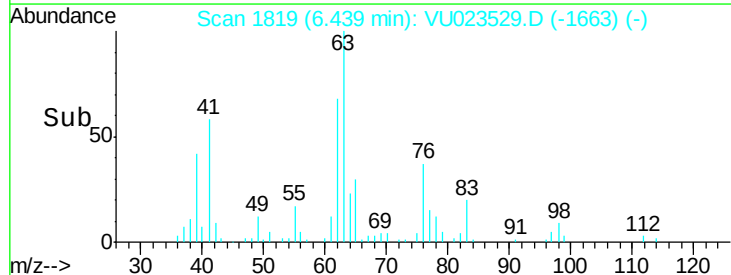
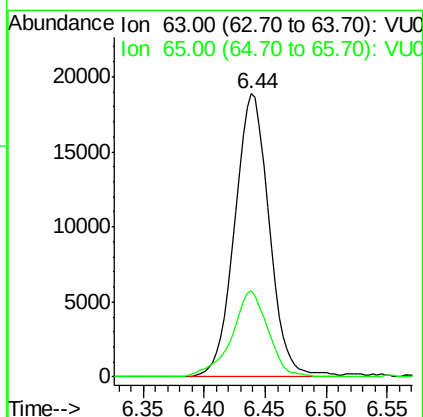
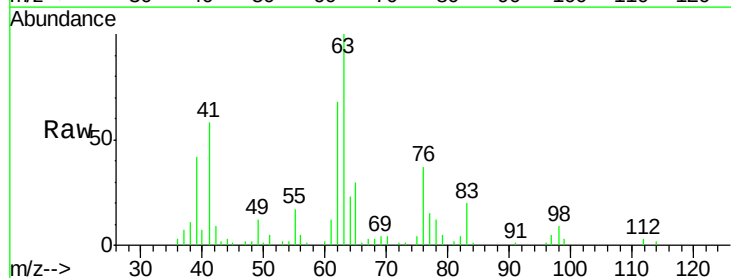
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

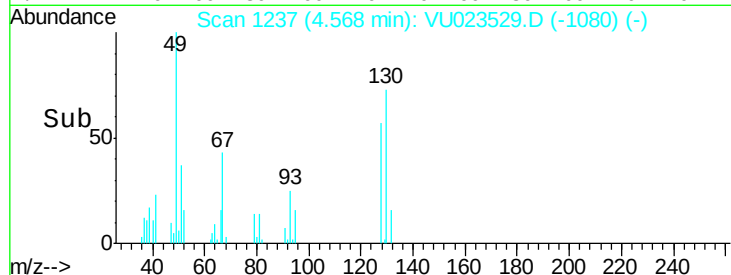
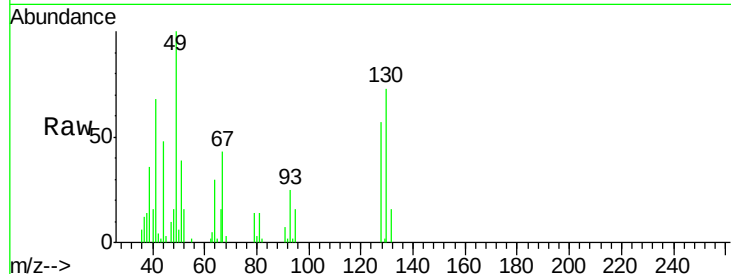
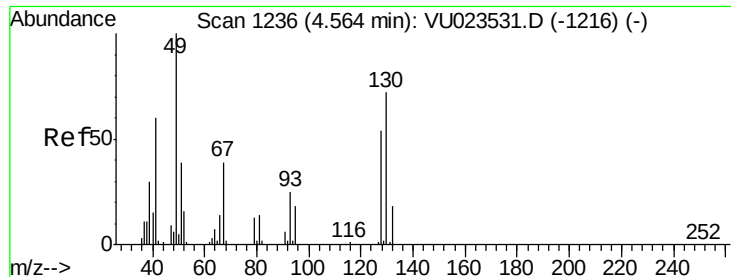
Tgt Ion:130 Resp: 34686
 Ion Ratio Lower Upper
 130 100
 95 100.7 77.9 116.9



#38
 1,2-Dichloropropane
 Concen: 2.30 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion: 63 Resp: 37043
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.8 38.8

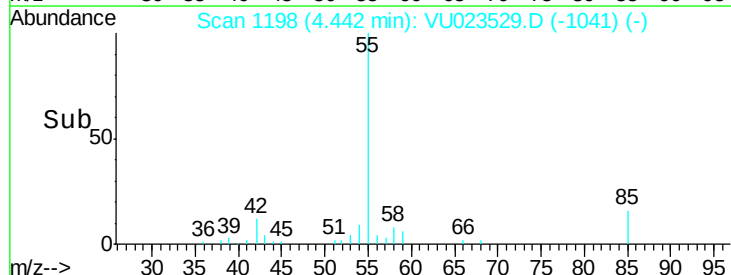
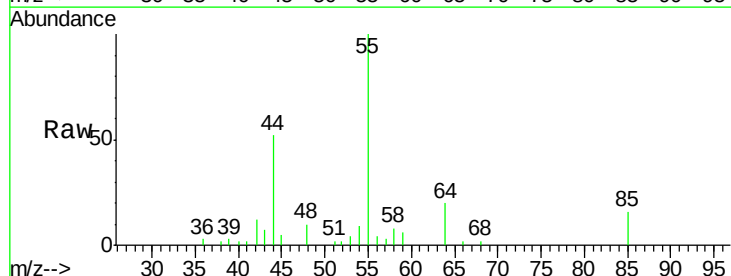
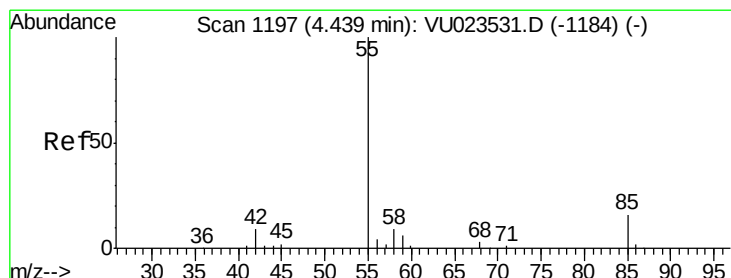
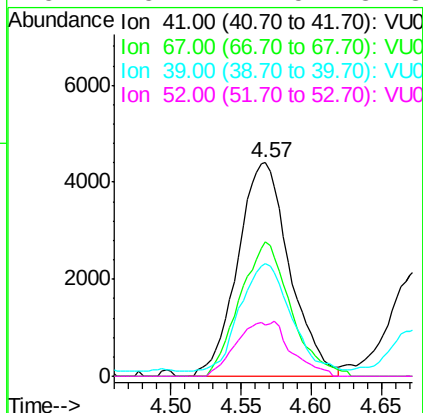




#39
Methacrylonitrile
Concen: 2.39 ug/l
RT: 4.57 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

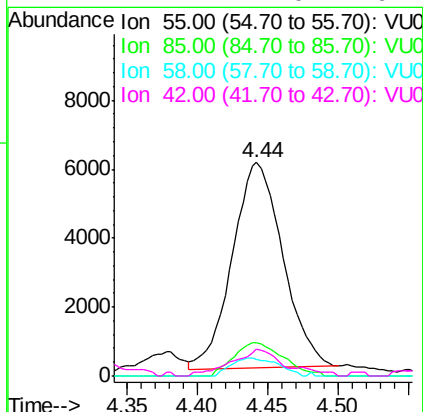
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

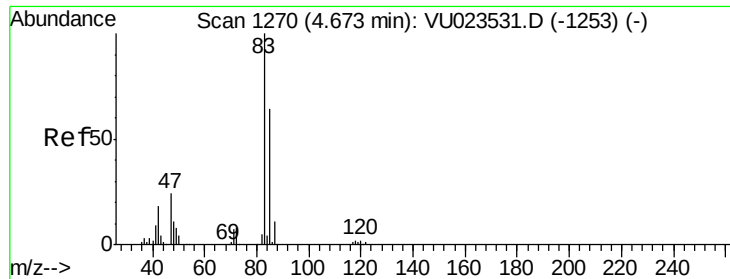
Tgt Ion: 41 Resp: 11333
Ion Ratio Lower Upper
41 100
67 61.5 51.3 76.9
39 49.8 40.6 60.8
52 15.1 21.5 32.3#



#40
Methyl acrylate
Concen: 2.09 ug/l
RT: 4.44 min Scan# 1198
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion: 55 Resp: 14947
Ion Ratio Lower Upper
55 100
85 15.9 12.3 18.5
58 8.1 7.0 10.6
42 11.7 7.0 10.4#

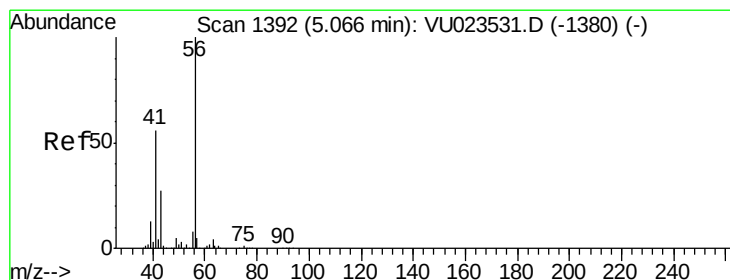
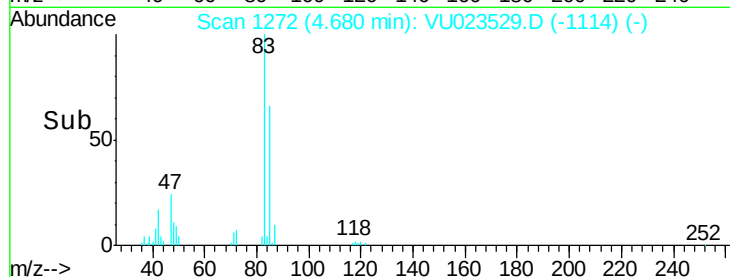
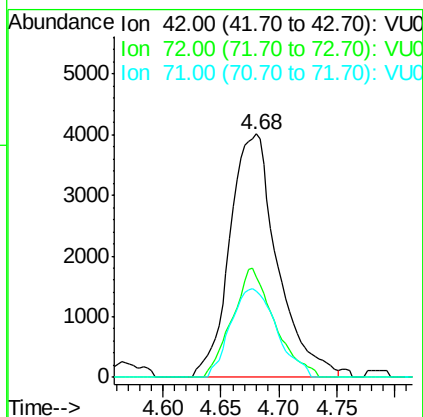
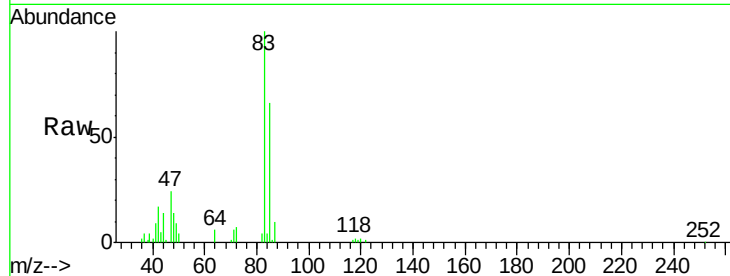




#41
Tetrahydrofuran
Concen: 4.33 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

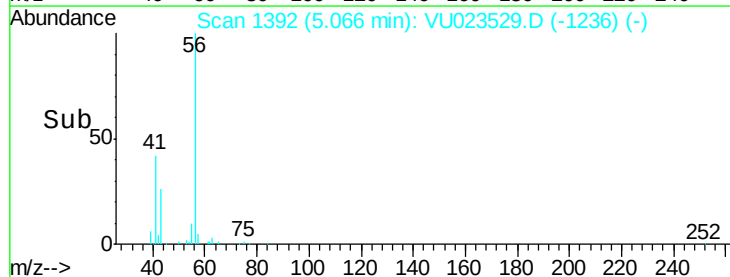
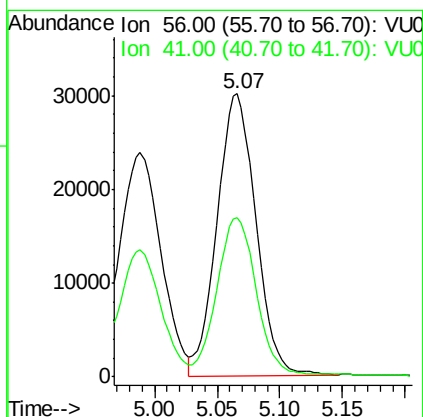
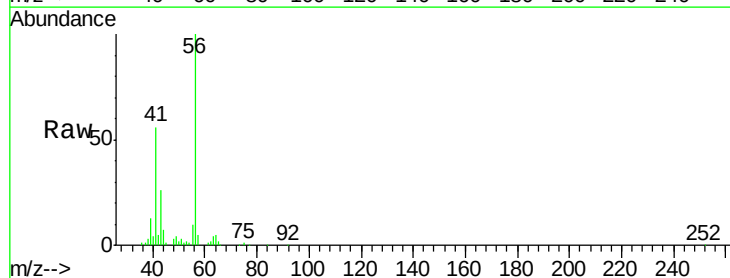
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

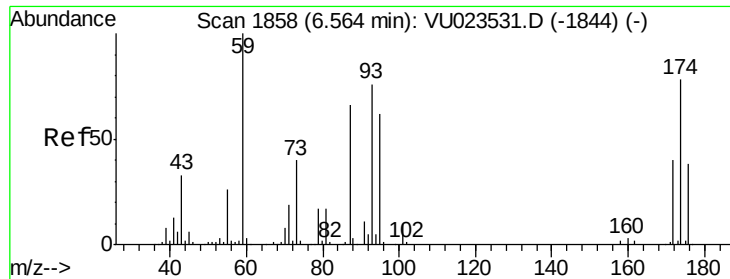
Tgt Ion: 42 Resp: 11441
Ion Ratio Lower Upper
42 100
72 39.8 33.2 49.8
71 35.1 29.8 44.8



#42
1-Chlorobutane
Concen: 2.29 ug/l
RT: 5.07 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion: 56 Resp: 64367
Ion Ratio Lower Upper
56 100
41 58.3 27.5 82.5





#43

Dibromomethane

Concen: 2.02 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

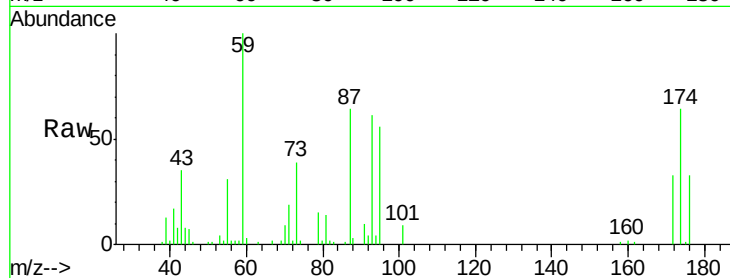
Tgt Ion: 93 Resp: 15406

Ion Ratio Lower Upper

93 100

95 86.0 67.2 100.8

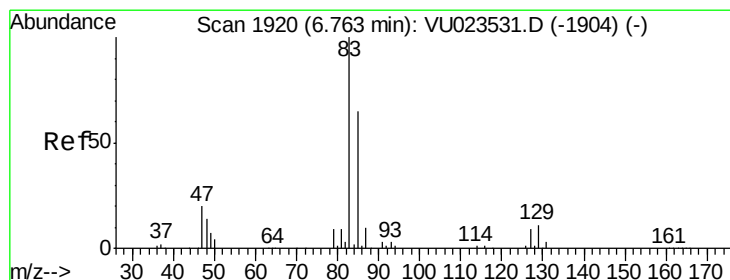
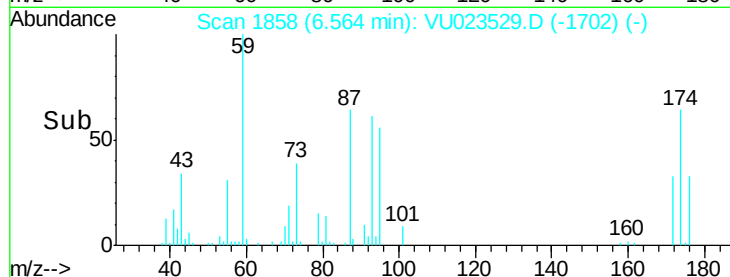
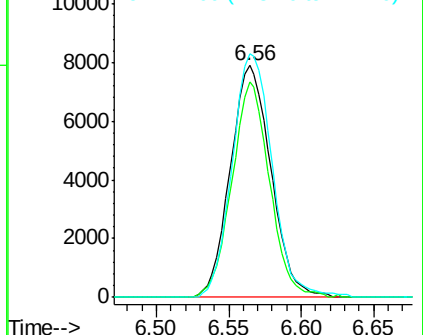
174 103.6 82.8 124.2



Abundance Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 2.17 ug/l

RT: 6.76 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

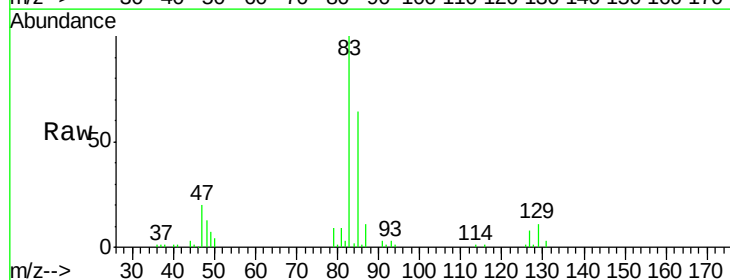
Tgt Ion: 83 Resp: 38676

Ion Ratio Lower Upper

83 100

85 64.3 52.2 78.4

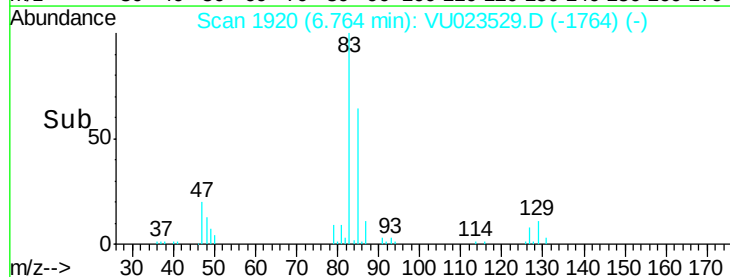
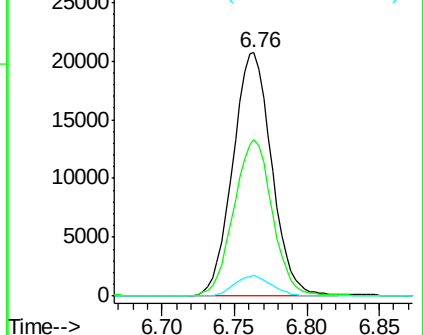
127 8.4 7.0 10.4

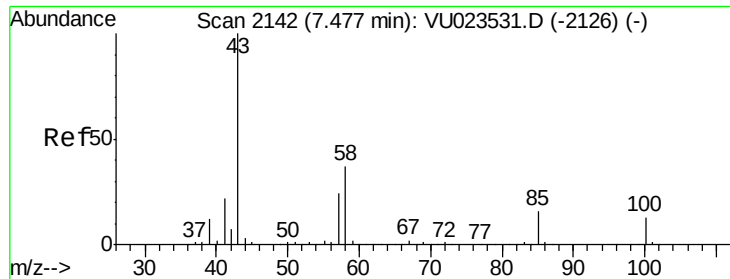


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V





#45

4-Methyl-2-Pentanone

Concen: 10.30 ug/l

RT: 7.48 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

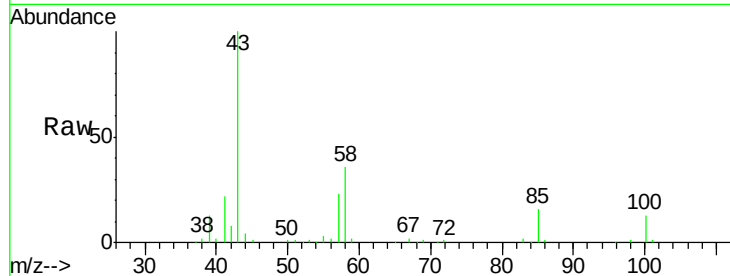
Tgt Ion: 43 Resp: 90322

Ion Ratio Lower Upper

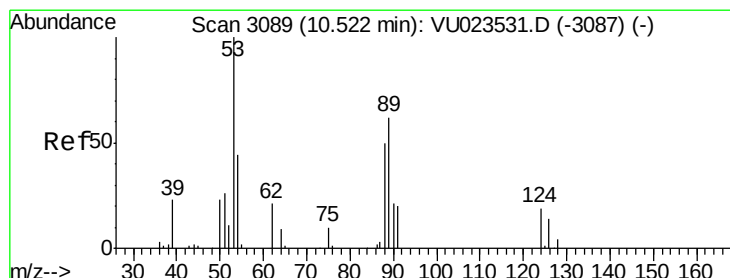
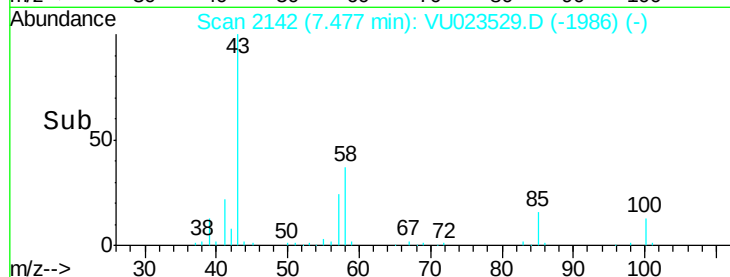
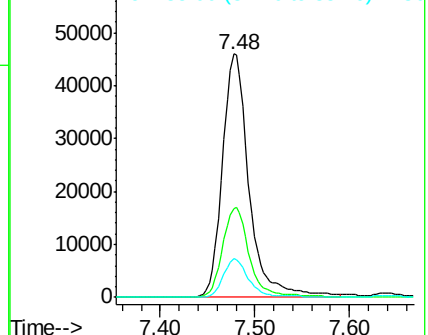
43 100

58 37.3 18.8 56.4

85 15.3 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0



#46

t-1,4-Dichloro-2-butene

Concen: 10.81 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. -0.02 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Tgt Ion: 75 Resp: 29560

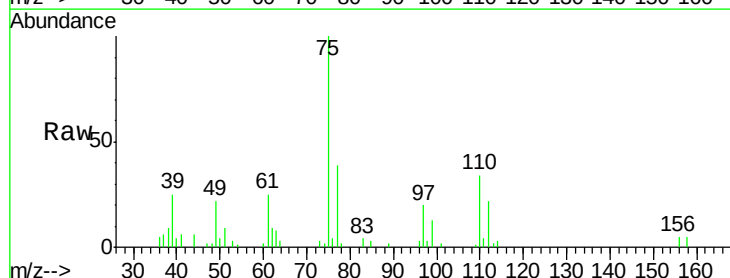
Ion Ratio Lower Upper

75 100

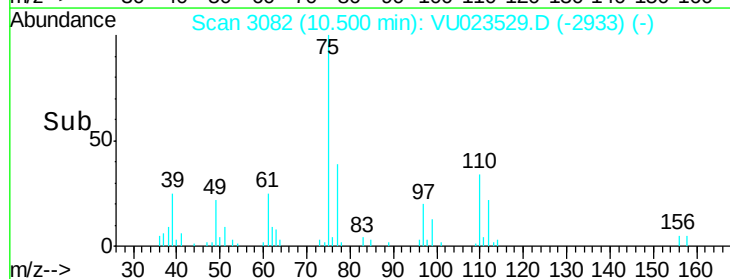
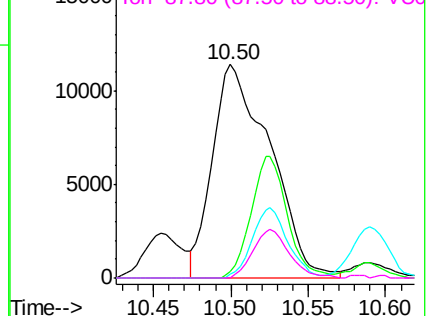
53 35.6 82.2 123.4#

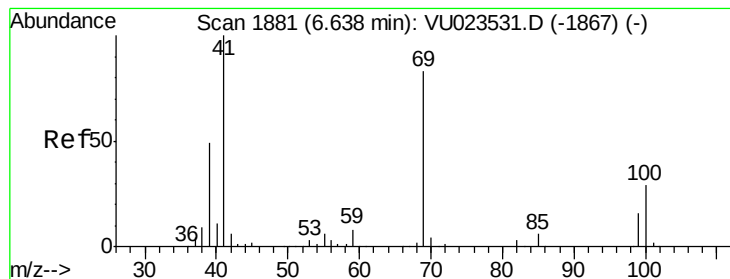
89 20.2 51.3 76.9#

88 14.3 37.4 56.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0





#47

Methyl methacrylate

Concen: 3.84 ug/l

RT: 6.64 min Scan# 1881

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 69 Resp: 27740

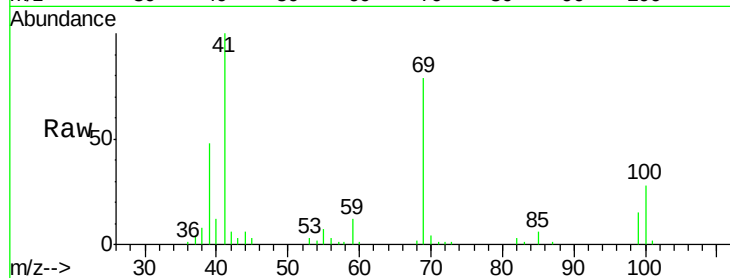
Ion Ratio Lower Upper

69 100

41 123.3 0.0 245.4

39 57.1 49.0 73.4

100 34.8 27.8 41.8

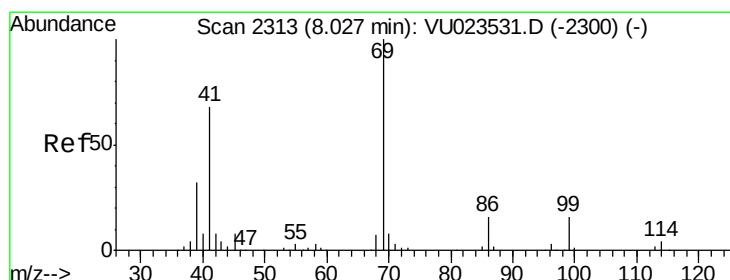
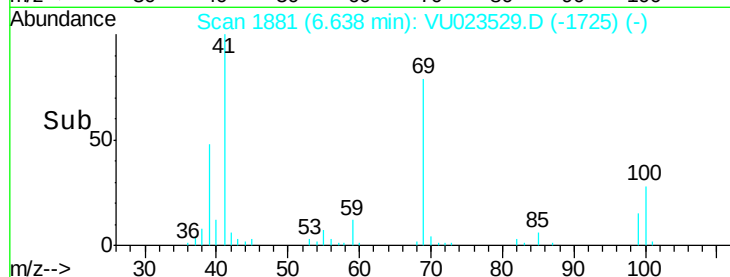
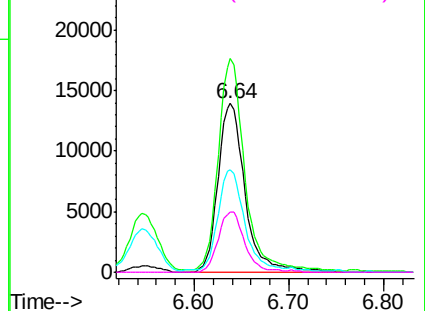


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#48

Ethyl methacrylate

Concen: 1.78 ug/l

RT: 8.03 min Scan# 2314

Delta R.T. 0.00 min

Lab File: VU023529.D

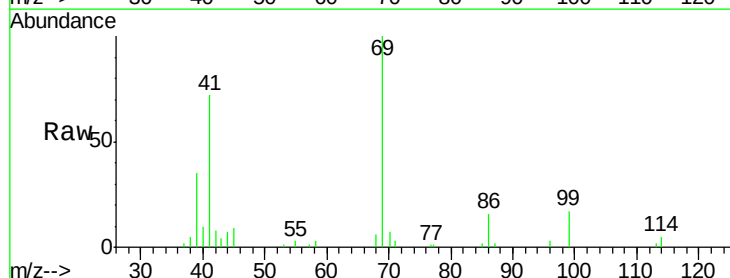
Acq: 30 Apr 2018 15:53

Tgt Ion: 69 Resp: 22900

Ion Ratio Lower Upper

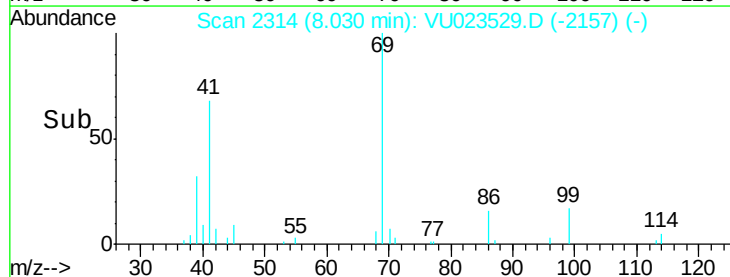
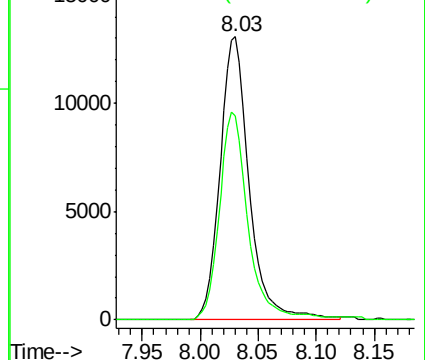
69 100

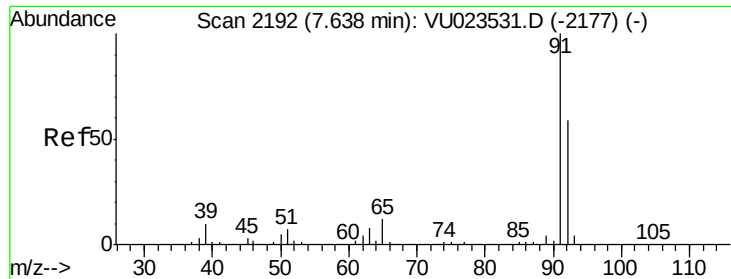
41 70.7 34.2 102.5



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 2.03 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

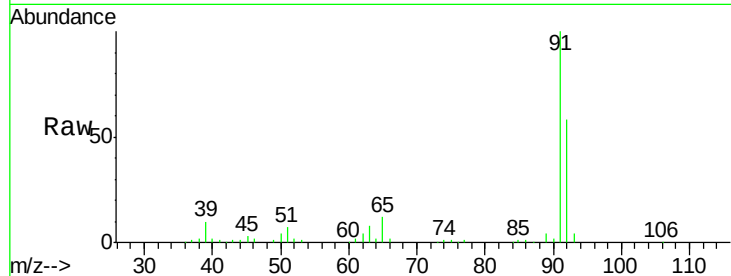
VSTDIC002

Tgt Ion: 92 Resp: 74931

Ion Ratio Lower Upper

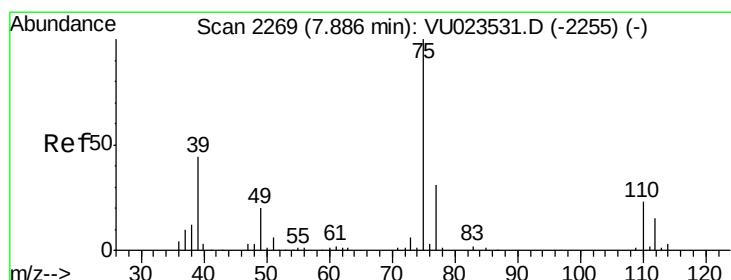
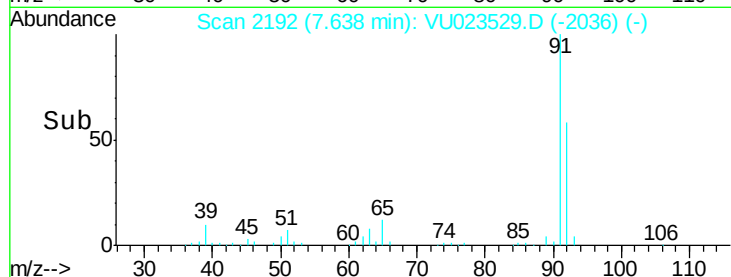
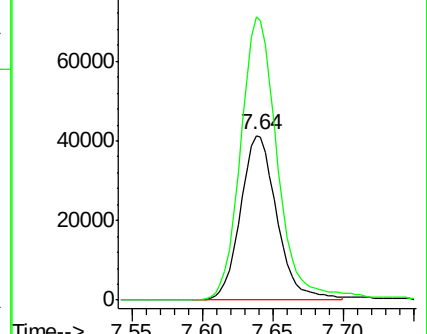
92 100

91 176.5 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 2.11 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU023529.D

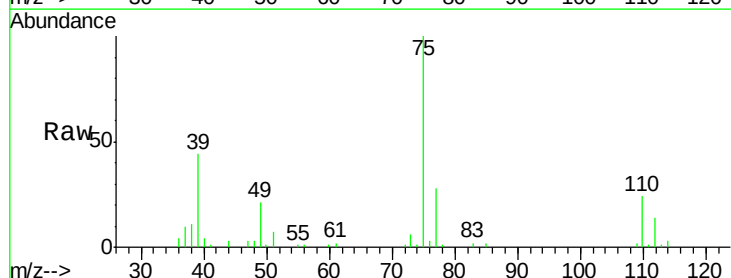
Acq: 30 Apr 2018 15:53

Tgt Ion: 75 Resp: 32264

Ion Ratio Lower Upper

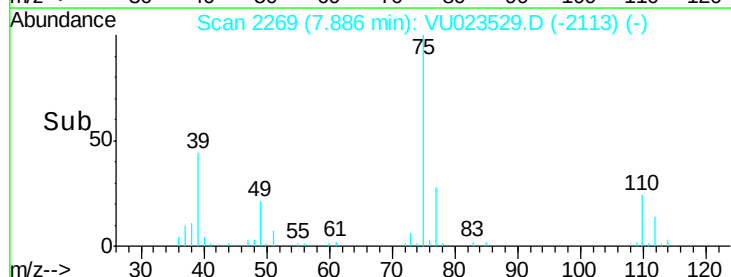
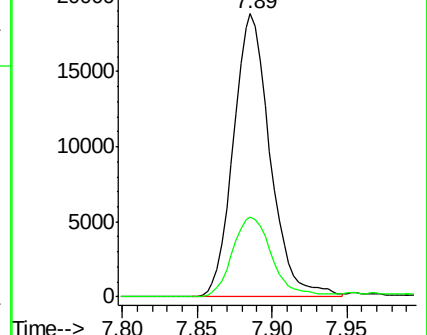
75 100

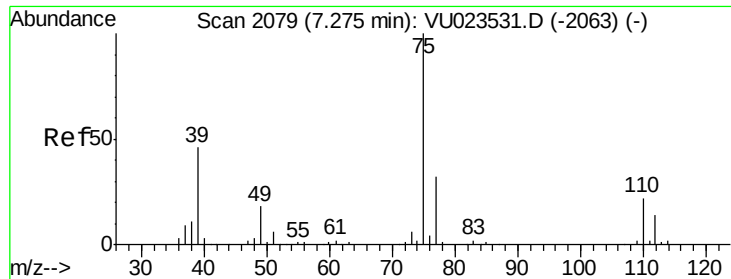
77 28.2 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



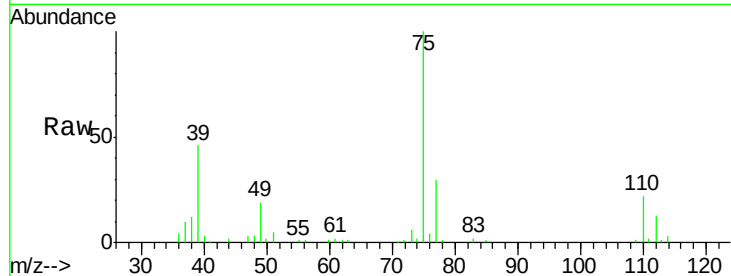


#51

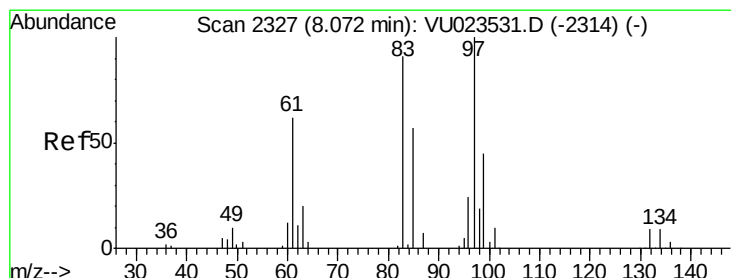
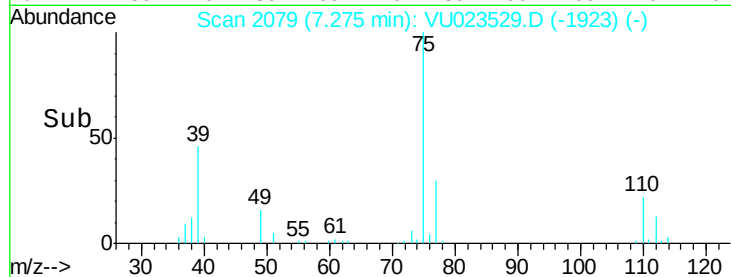
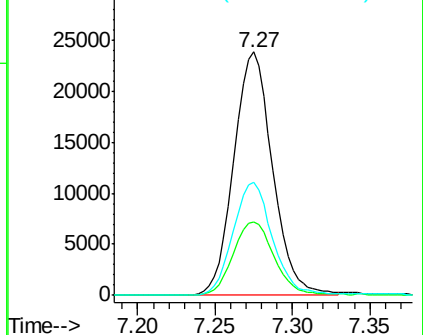
cis-1,3-Dichloropropene
 Concen: 2.11 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tgt Ion: 75 Resp: 41634
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.2 37.8
 39 46.3 36.4 54.6



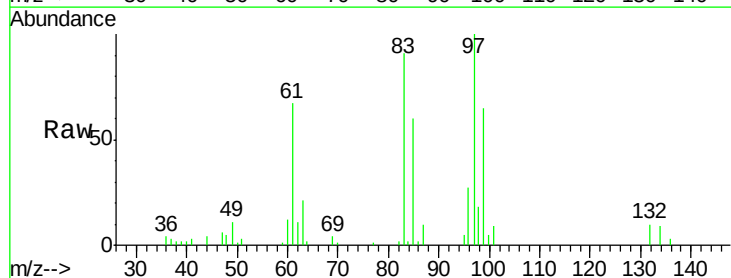
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0



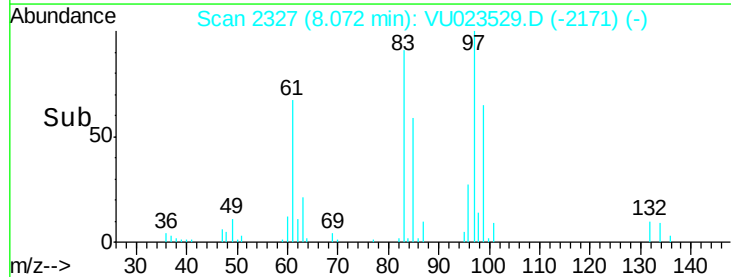
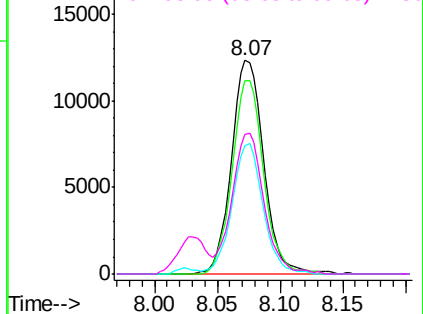
#52

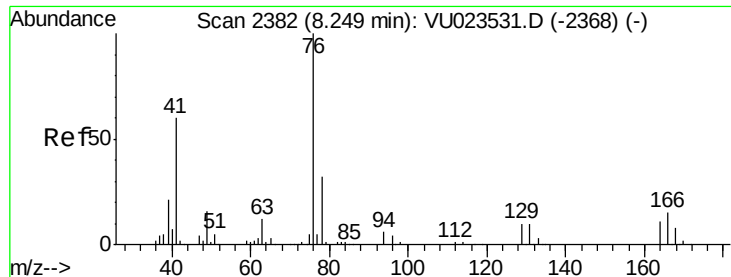
1,1,2-Trichloroethane
 Concen: 2.00 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion: 97 Resp: 22127
 Ion Ratio Lower Upper
 97 100
 83 90.7 72.6 109.0
 85 60.2 47.2 70.8
 99 65.5 50.8 76.2



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0

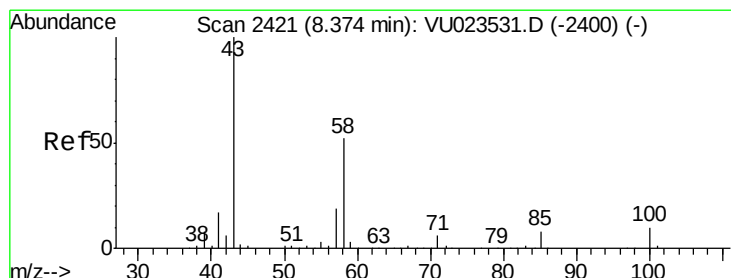
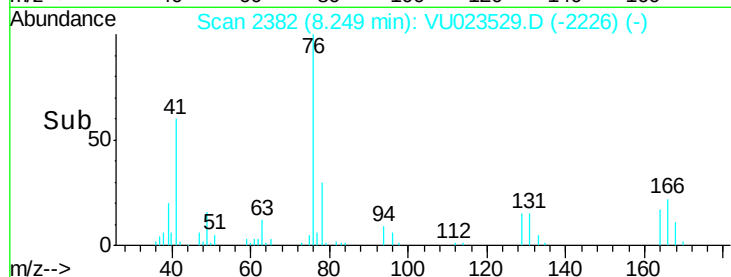
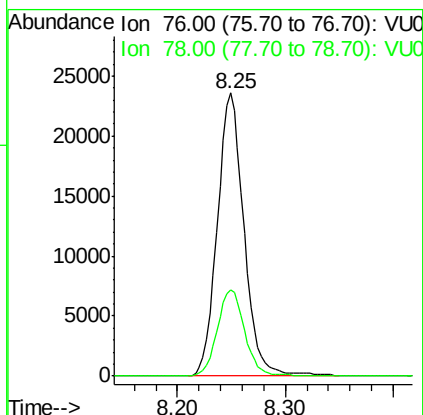
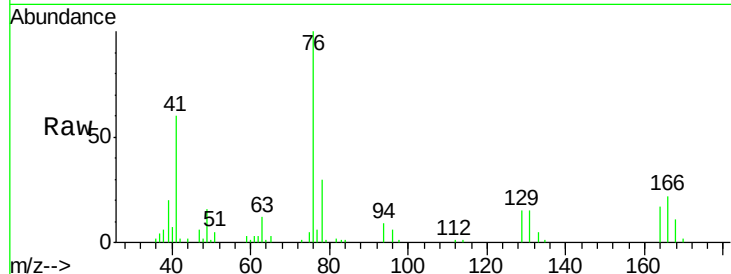




#53
 1,3-Dichloropropane
 Concen: 2.12 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

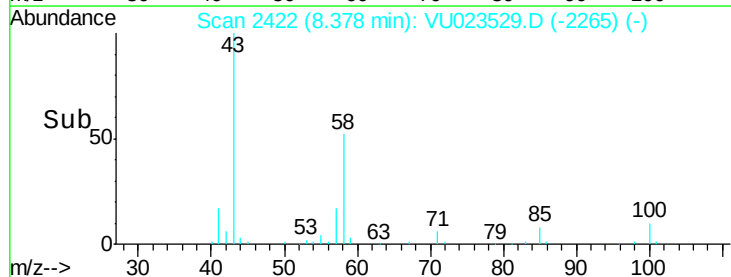
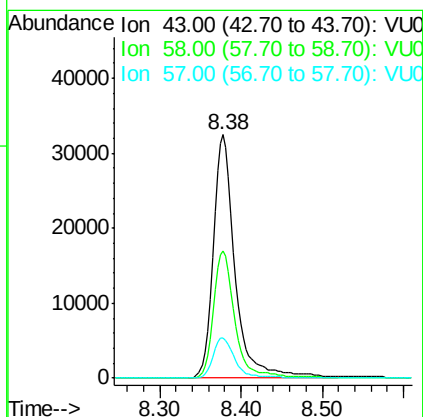
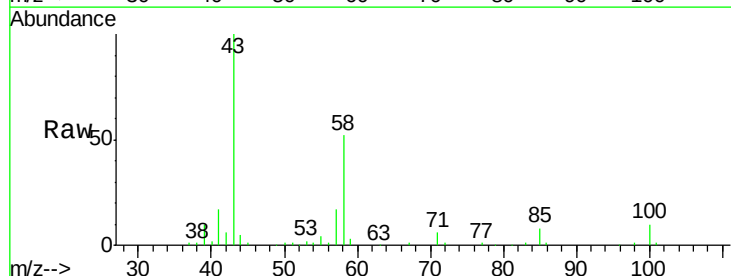
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

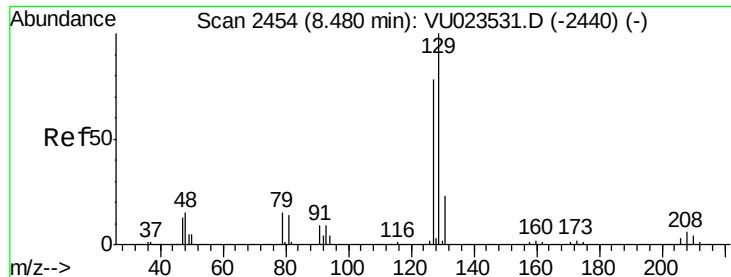
Tgt Ion: 76 Resp: 40484
 Ion Ratio Lower Upper
 76 100
 78 30.8 25.7 38.5



#54
 2-Hexanone
 Concen: 10.29 ug/l
 RT: 8.38 min Scan# 2422
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion: 43 Resp: 61526
 Ion Ratio Lower Upper
 43 100
 58 51.3 32.5 72.5
 57 16.6 0.0 37.9





#55

Dibromochloromethane

Concen: 2.11 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

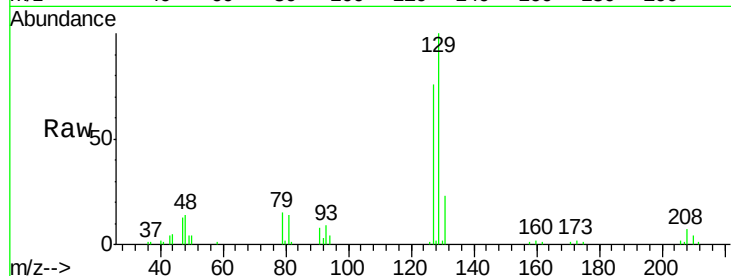
VSTDIC002

Tgt Ion:129 Resp: 24035

Ion Ratio Lower Upper

129 100

127 76.2 61.1 91.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.48

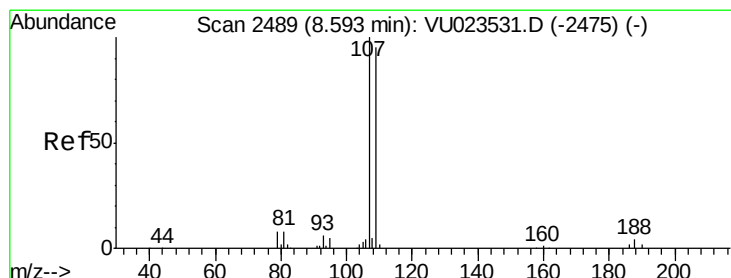
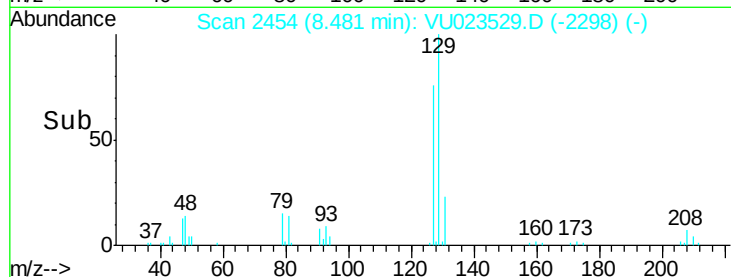
15000

10000

5000

0

Time--> 8.40 8.45 8.50 8.55



#56

1,2-Dibromoethane

Concen: 1.93 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU023529.D

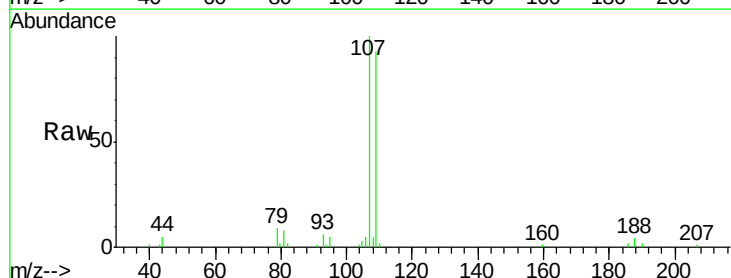
Acq: 30 Apr 2018 15:53

Tgt Ion:107 Resp: 18822

Ion Ratio Lower Upper

107 100

109 95.6 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.59

12000

10000

8000

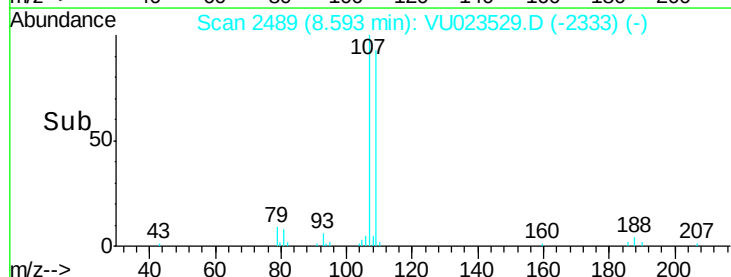
6000

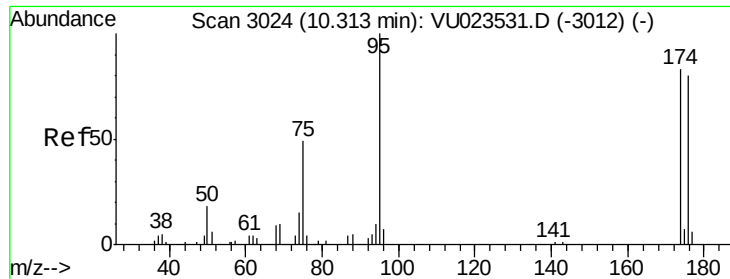
4000

2000

0

Time--> 8.55 8.60 8.65

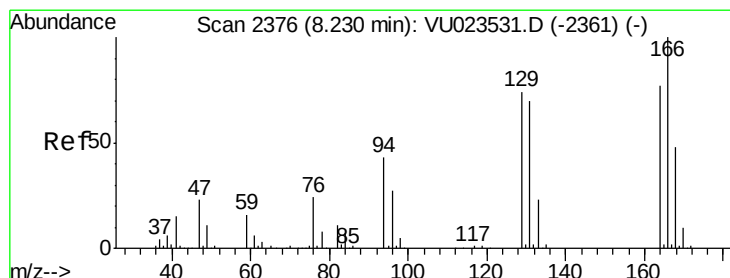
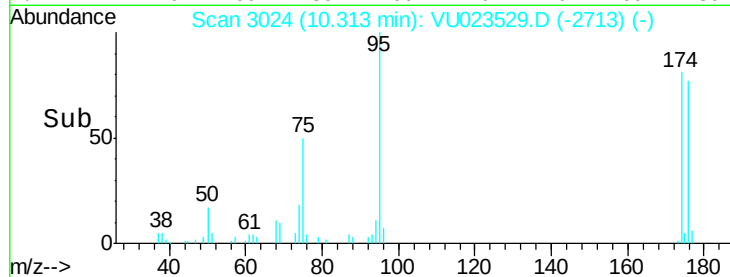
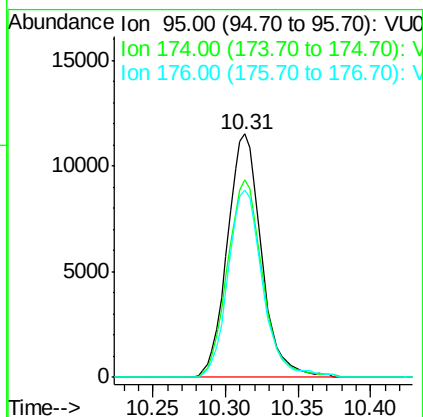
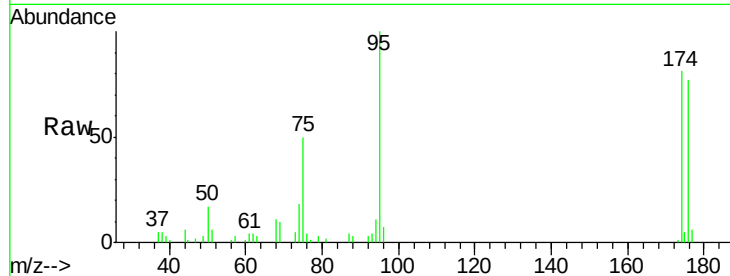




#57
4-Bromofluorobenzene
Concen: 1.93 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

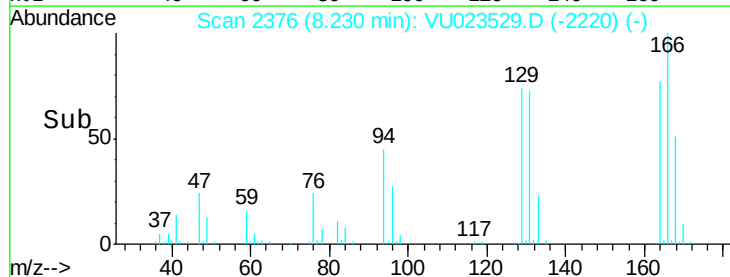
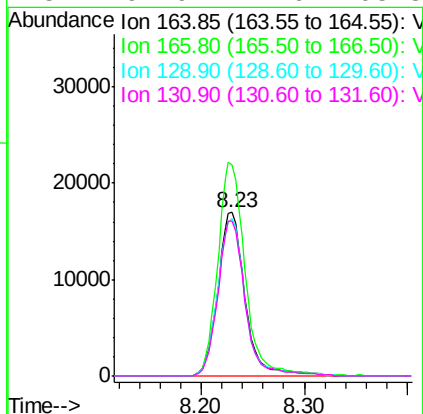
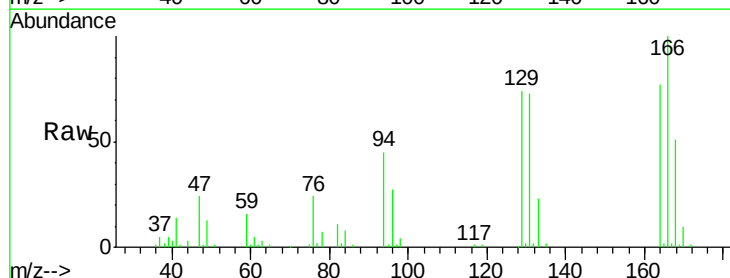
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

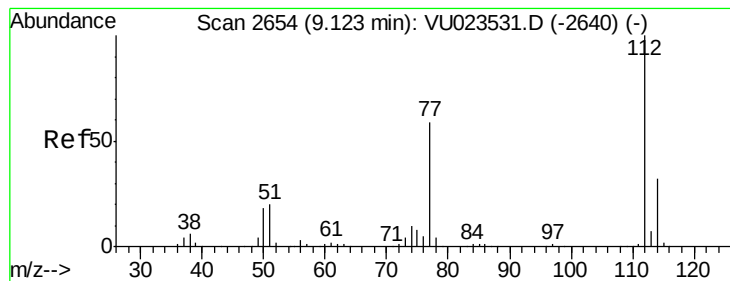
Tgt Ion: 95 Resp: 18834
Ion Ratio Lower Upper
95 100
174 83.5 65.6 98.4
176 77.9 62.0 93.0



#58
Tetrachloroethene
Concen: 2.08 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion: 164 Resp: 31228
Ion Ratio Lower Upper
164 100
166 129.5 104.1 156.1
129 96.2 76.8 115.2
131 94.9 72.6 108.8





#59

Chlorobenzene

Concen: 1.99 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

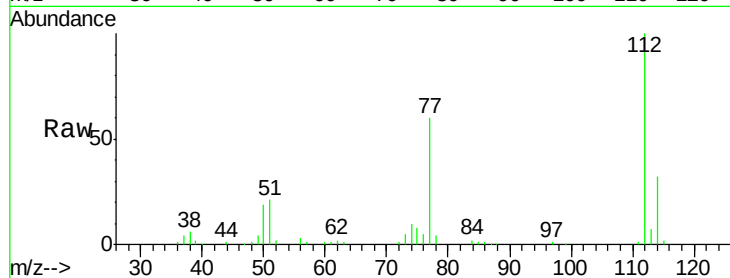
VSTDIC002

Tgt Ion:112 Resp: 80666

Ion Ratio Lower Upper

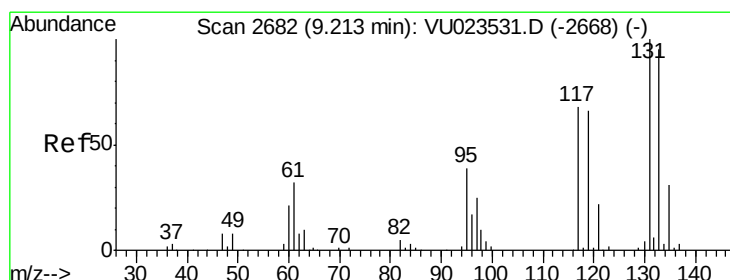
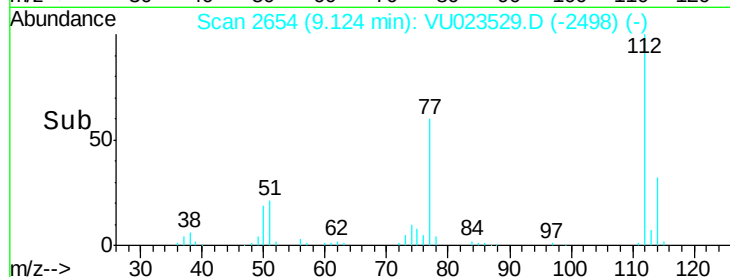
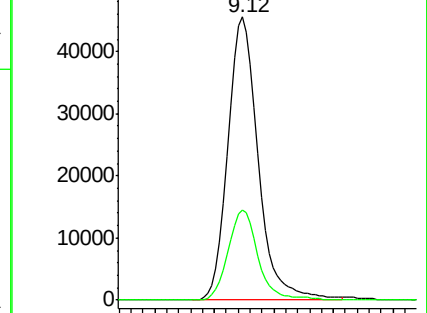
112 100

114 31.8 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 1.99 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

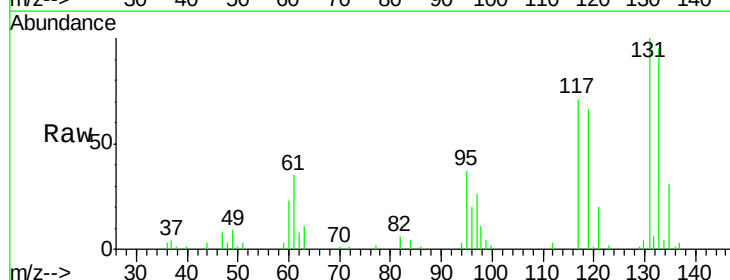
Tgt Ion:131 Resp: 27221

Ion Ratio Lower Upper

131 100

133 96.5 75.8 113.8

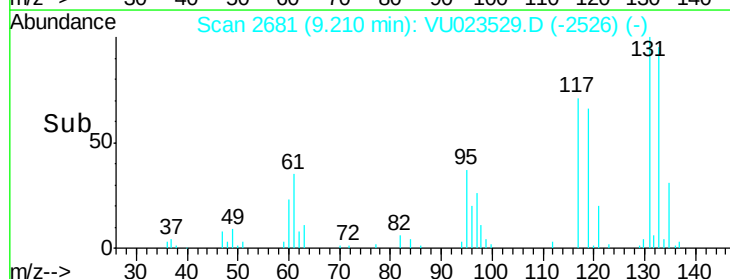
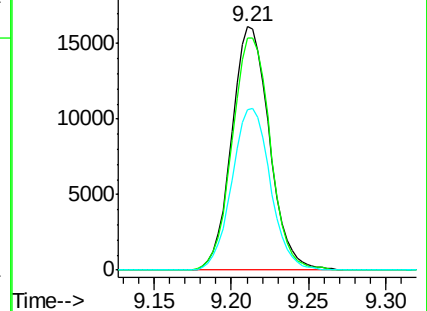
119 67.5 53.0 79.6

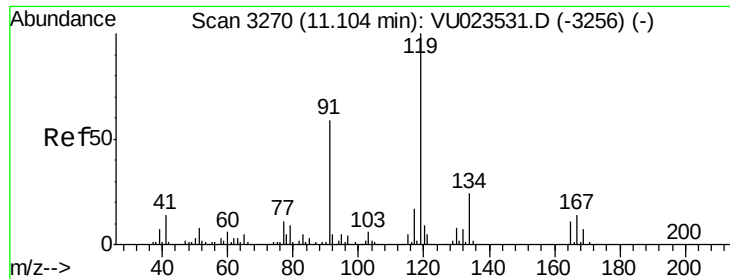


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

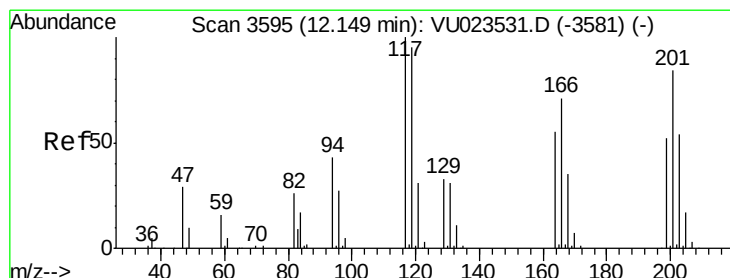
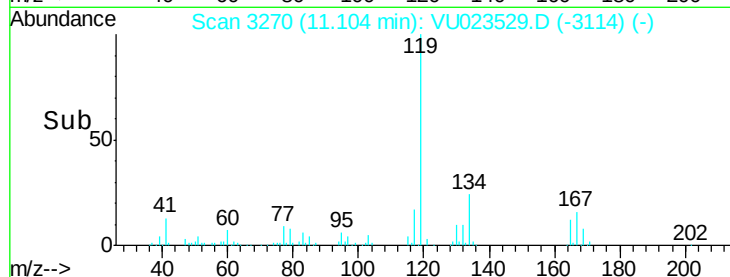
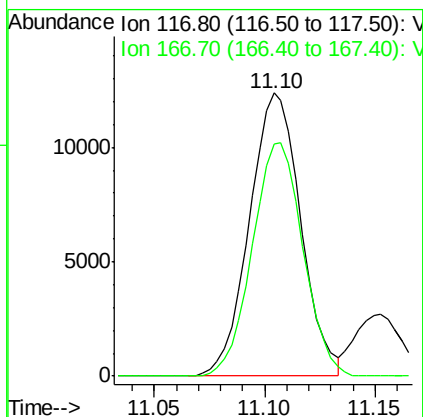
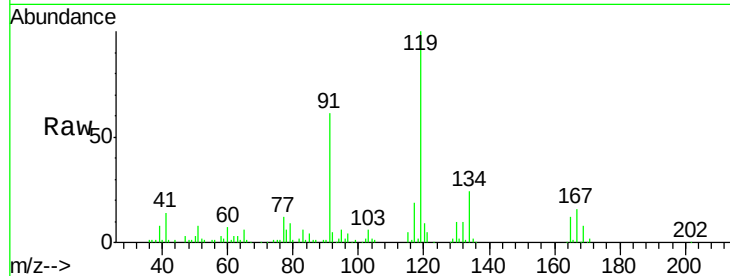




#61
 Pentachloroethane
 Concen: 2.01 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

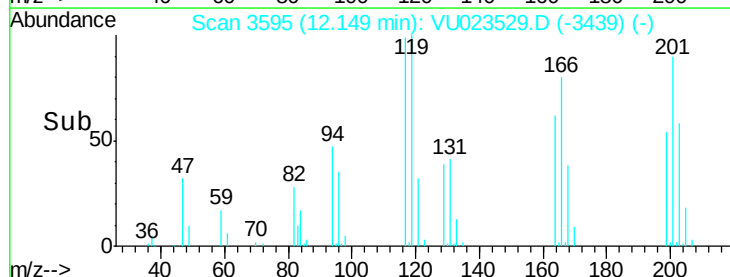
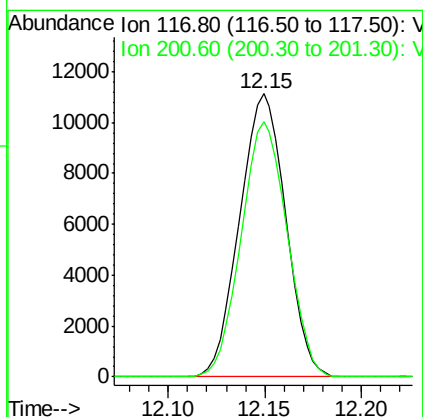
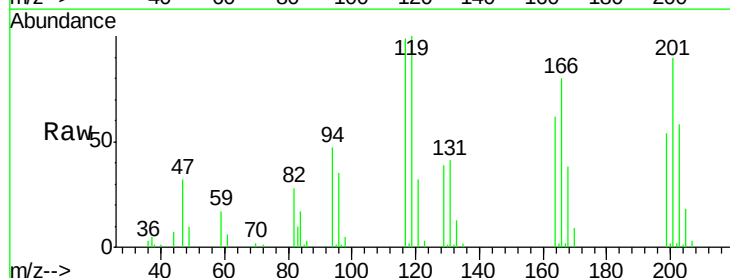
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

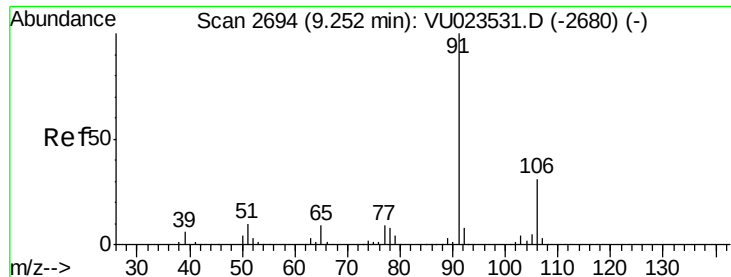
Tgt Ion:117 Resp: 19920
 Ion Ratio Lower Upper
 117 100
 167 81.4 69.2 103.8



#62
 Hexachloroethane
 Concen: 2.07 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion:117 Resp: 18429
 Ion Ratio Lower Upper
 117 100
 201 89.8 68.7 103.1

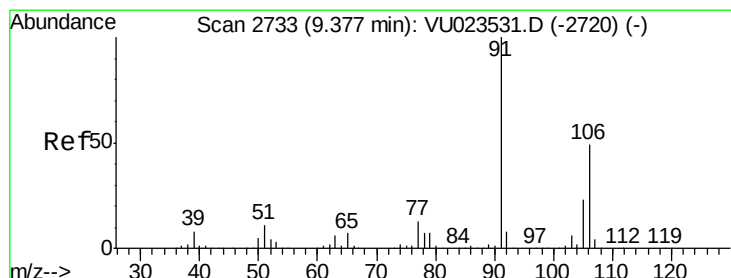
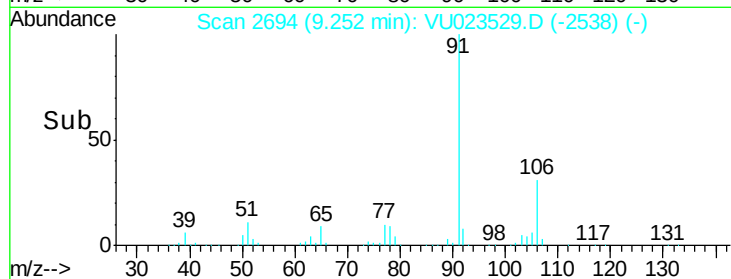
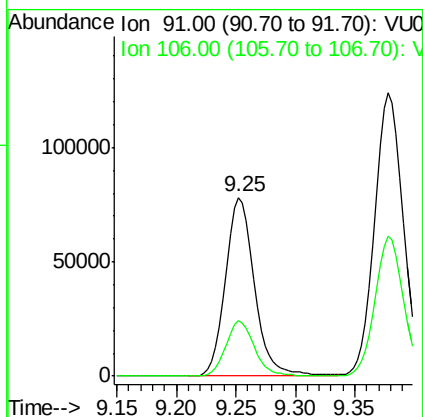
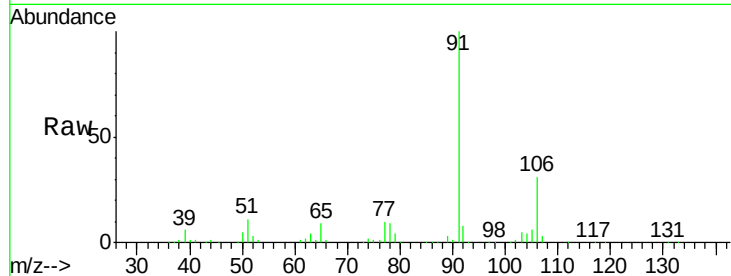




#63
Ethyl Benzene
Concen: 1.98 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

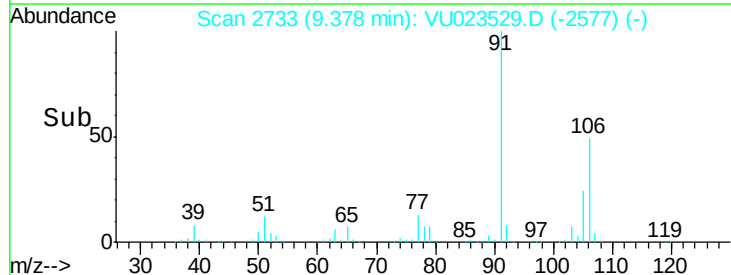
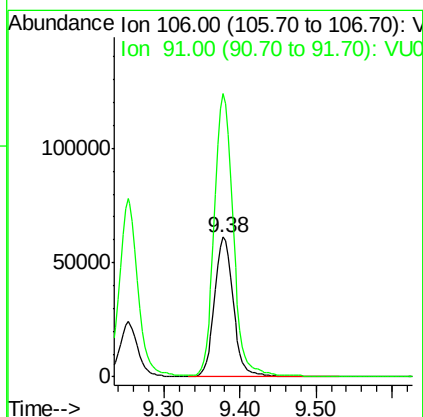
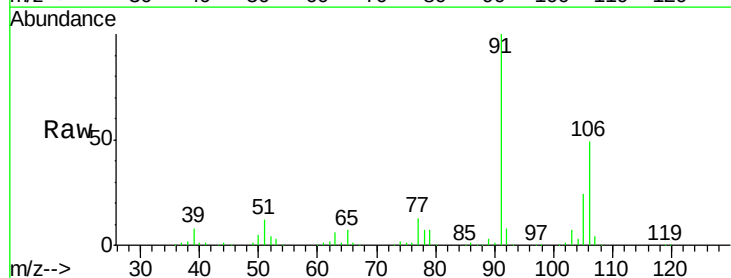
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

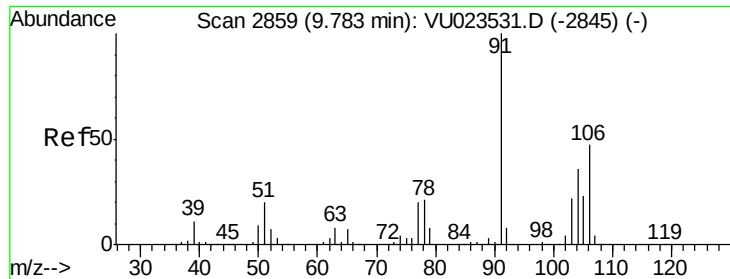
Tgt Ion: 91 Resp: 132818
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1



#64
m/p-Xylenes
Concen: 4.06 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion: 106 Resp: 105189
Ion Ratio Lower Upper
106 100
91 202.4 164.1 246.1

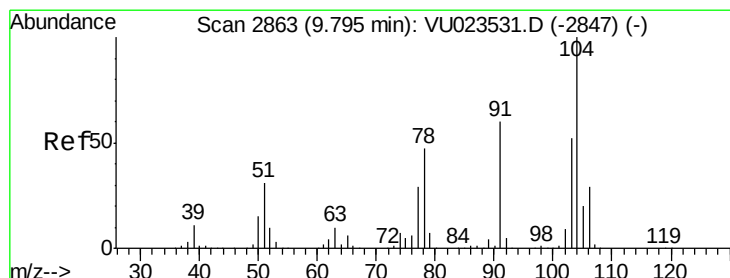
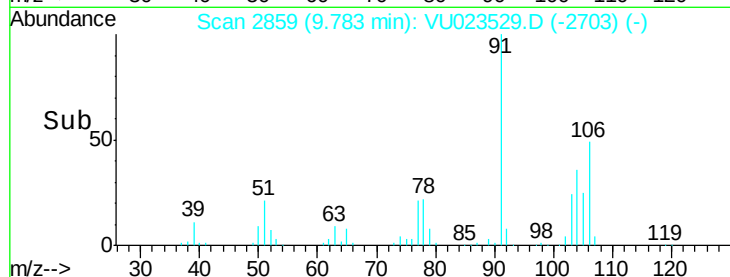
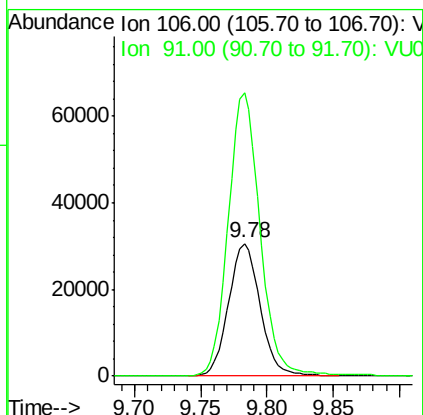
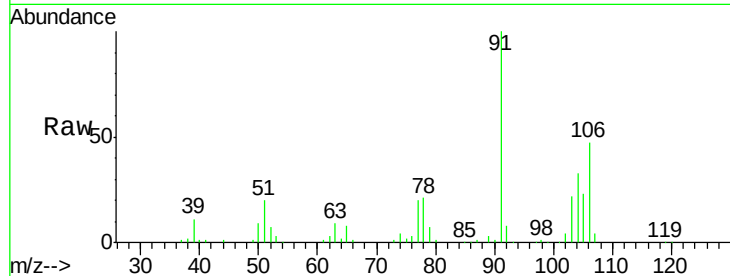




#65
o-Xylene
Concen: 1.99 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

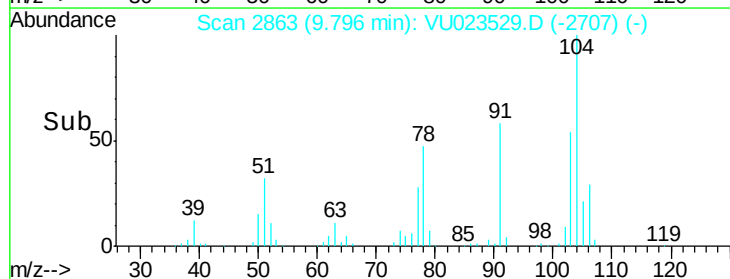
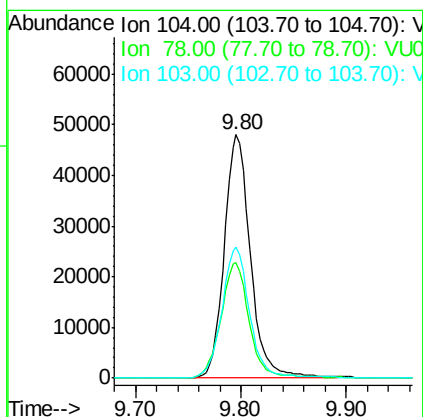
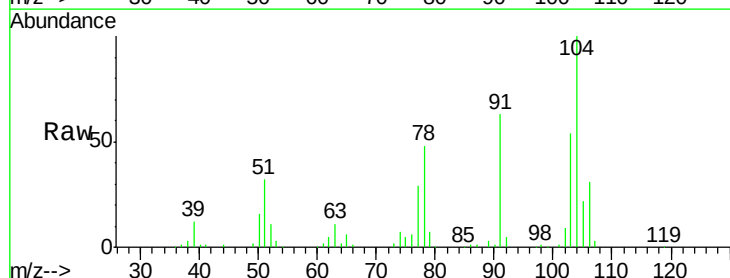
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

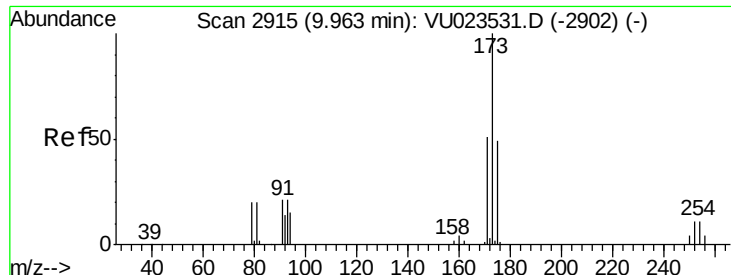
Tgt Ion:106 Resp: 50868
Ion Ratio Lower Upper
106 100
91 214.3 107.9 323.7



#66
Styrene
Concen: 1.96 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion:104 Resp: 82702
Ion Ratio Lower Upper
104 100
78 51.2 40.2 60.2
103 57.1 44.2 66.4

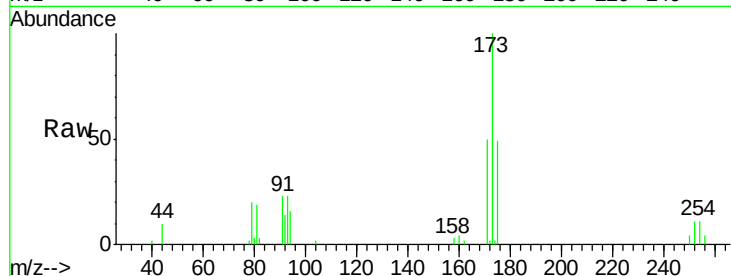




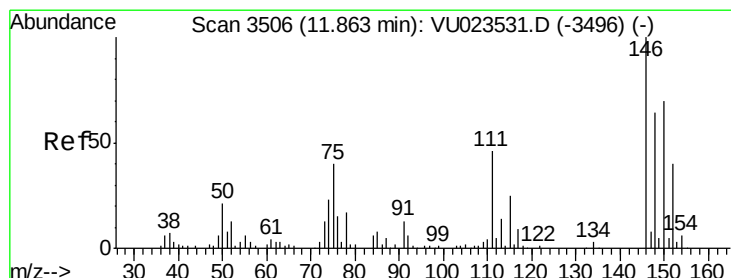
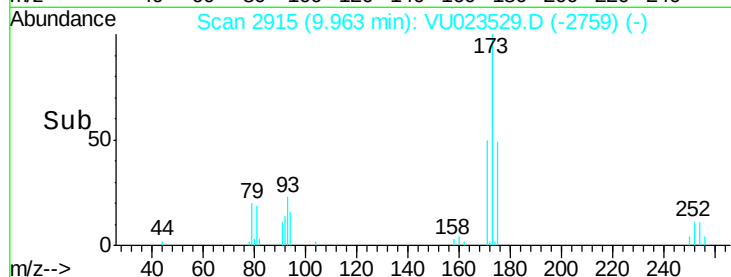
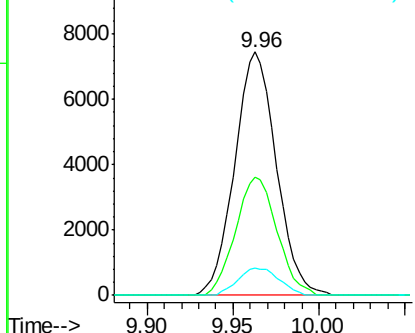
#67
Bromoform
Concen: 2.01 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion:173 Resp: 12494
Ion Ratio Lower Upper
173 100
175 48.2 38.6 57.8
254 11.1 8.8 13.2

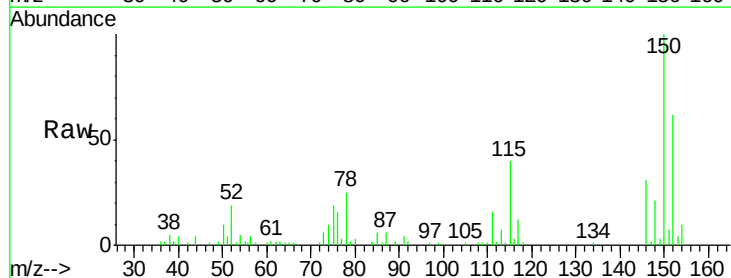


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

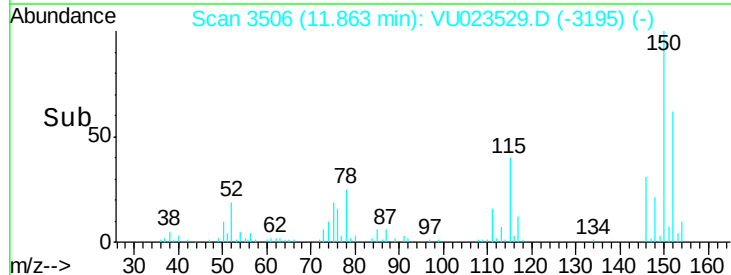
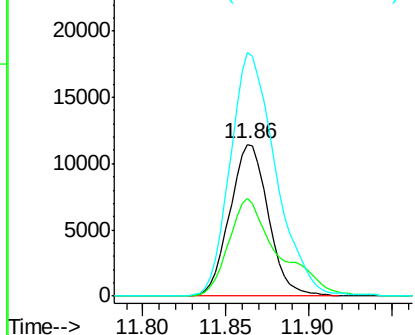


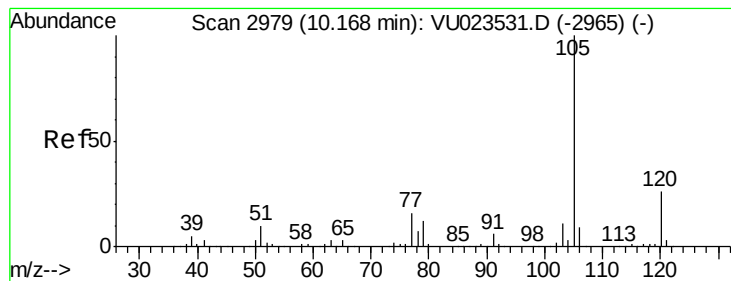
#68
1,2-Dichlorobenzene-d4
Concen: 2.01 ug/l
RT: 11.86 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion:152 Resp: 18477
Ion Ratio Lower Upper
152 100
115 83.6 0.0 118.8
150 190.2 0.0 0.0#



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 2.04 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

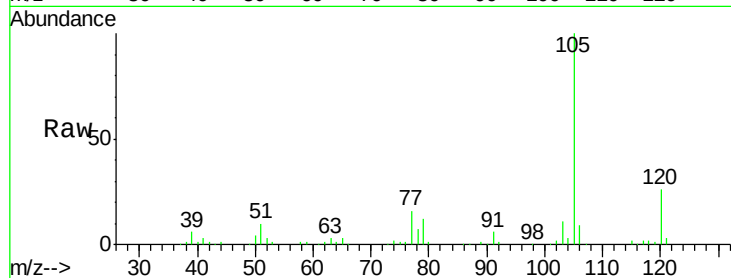
VSTDIC002

Tgt Ion: 105 Resp: 130134

Ion Ratio Lower Upper

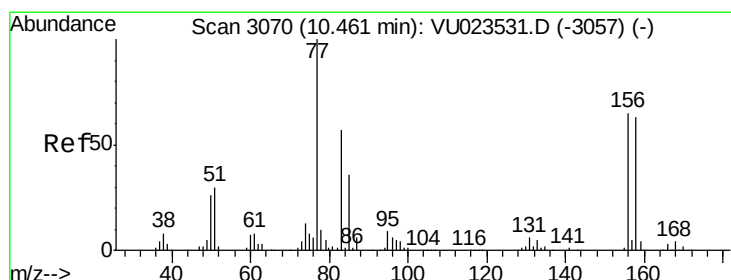
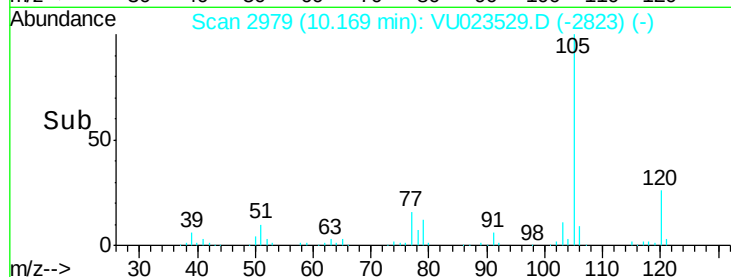
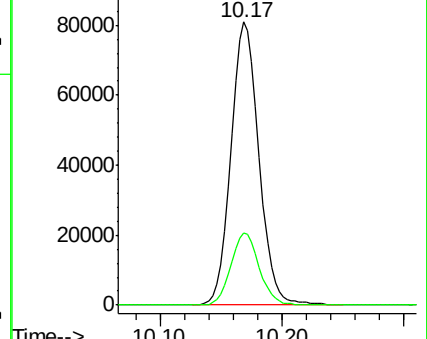
105 100

120 26.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 1.90 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

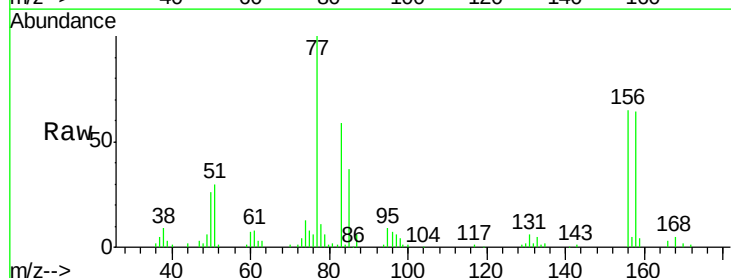
Tgt Ion: 83 Resp: 25309

Ion Ratio Lower Upper

83 100

131 9.2 7.9 11.9

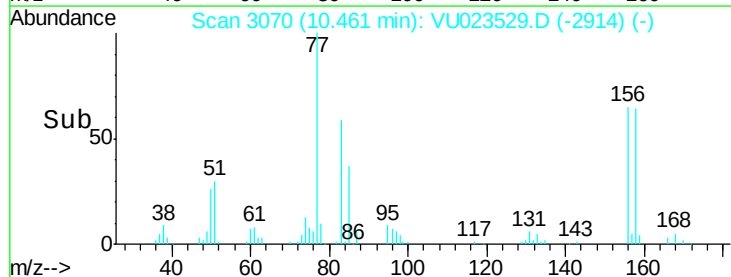
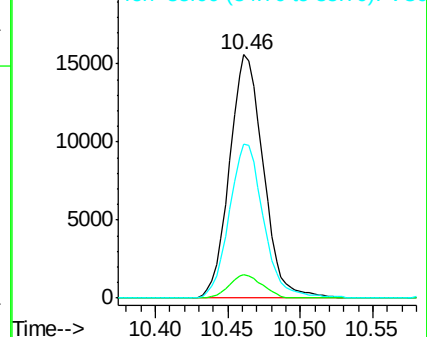
85 64.1 51.8 77.6

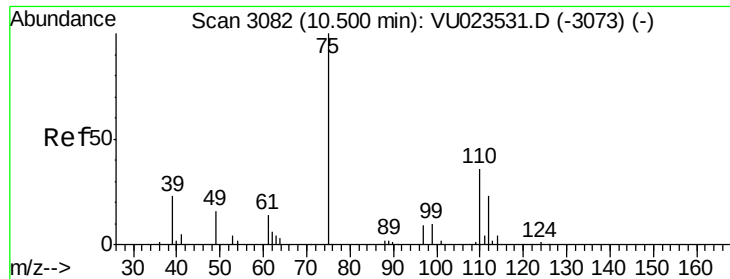


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 3.01 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 75 Resp: 29560

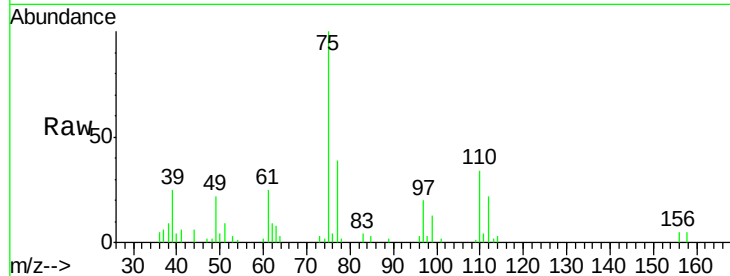
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 21.8 0.0 74.0

97 12.2 0.0 39.6

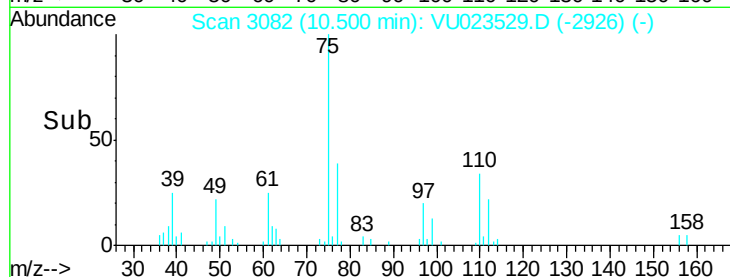


Abundance Ion 75.00 (74.70 to 75.70): VU0

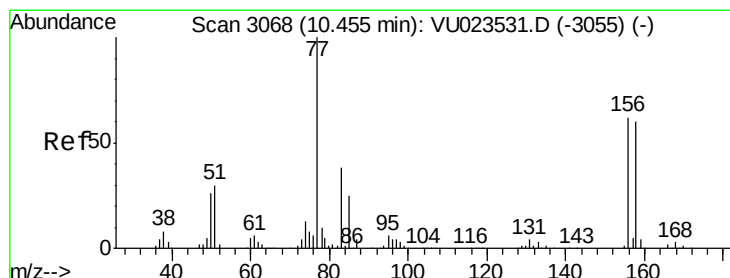
Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



Time-->



#72

Bromobenzene

Concen: 1.91 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

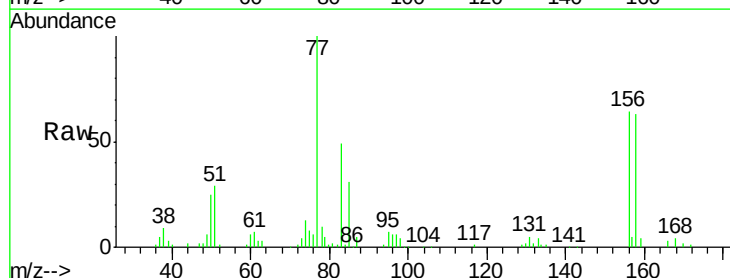
Tgt Ion: 156 Resp: 32756

Ion Ratio Lower Upper

156 100

77 154.7 0.0 309.8

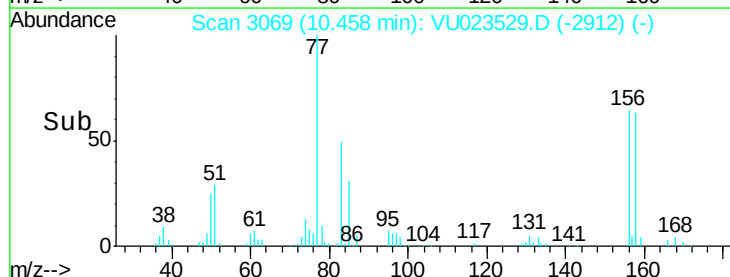
158 96.3 0.0 193.0



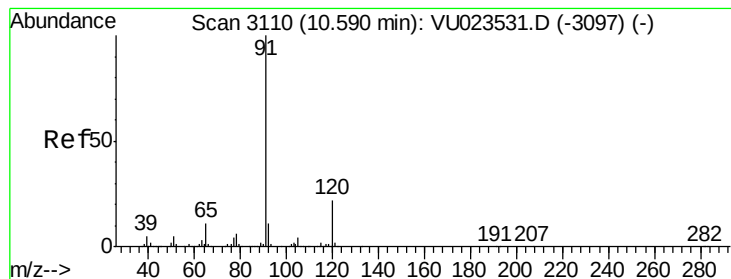
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V



Time-->



#73

n-propylbenzene

Concen: 2.00 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

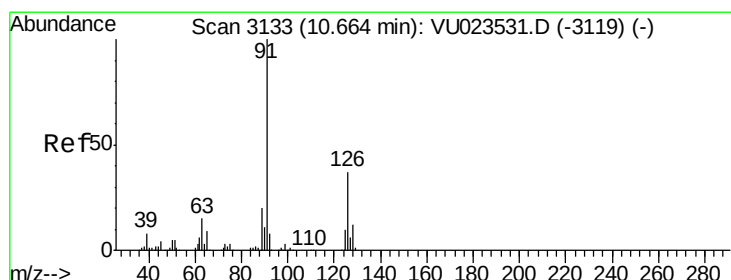
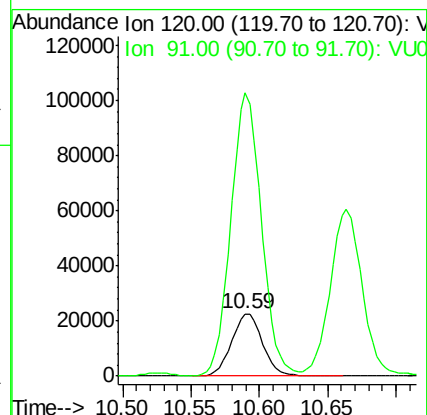
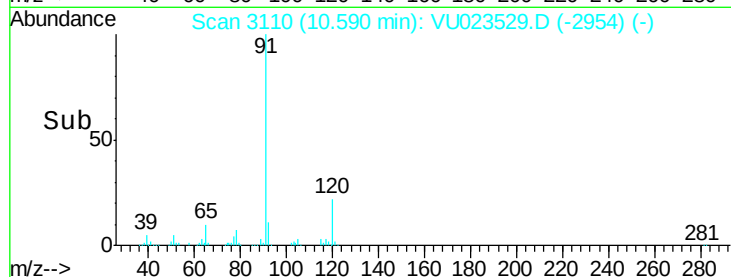
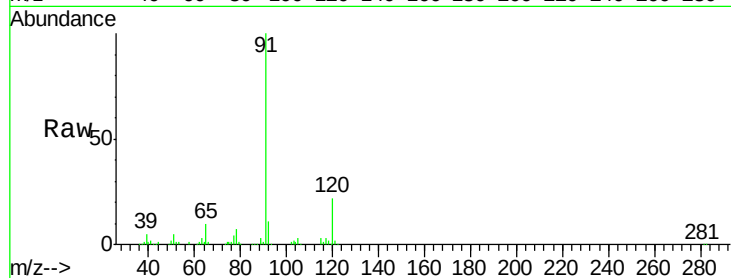
VSTDIC002

Tgt Ion:120 Resp: 35721

Ion Ratio Lower Upper

120 100

91 444.7 352.2 528.4



#74

2-Chlorotoluene

Concen: 1.97 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU023529.D

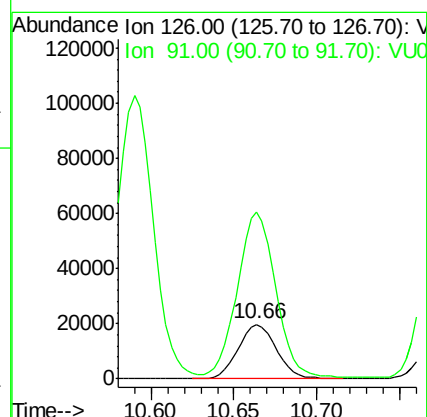
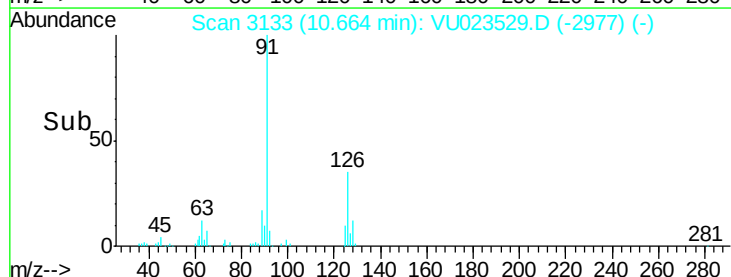
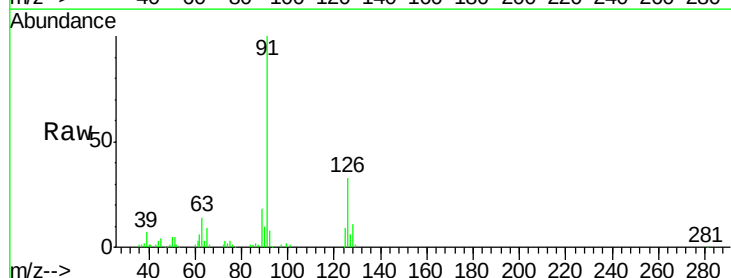
Acq: 30 Apr 2018 15:53

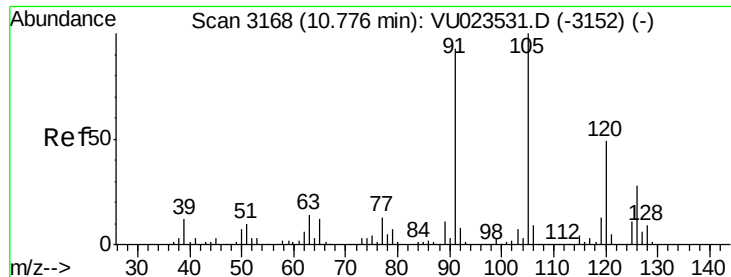
Tgt Ion:126 Resp: 31979

Ion Ratio Lower Upper

126 100

91 307.9 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 2.03 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

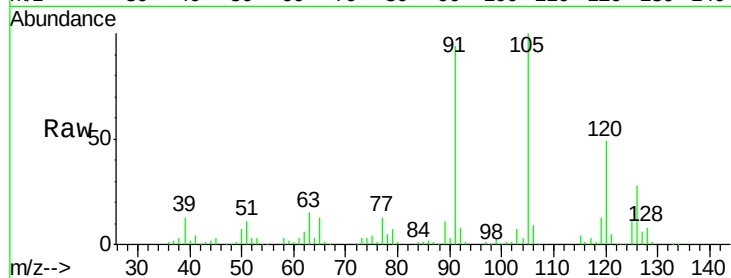
VSTDIC002

Tgt Ion:105 Resp: 110871

Ion Ratio Lower Upper

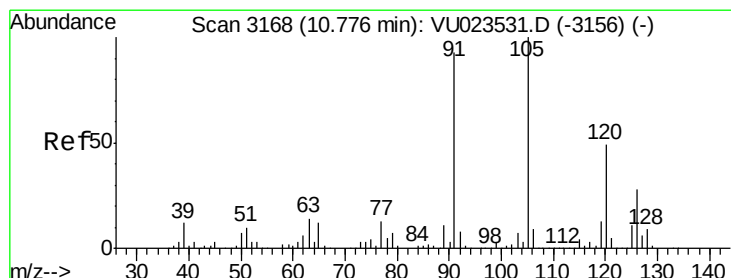
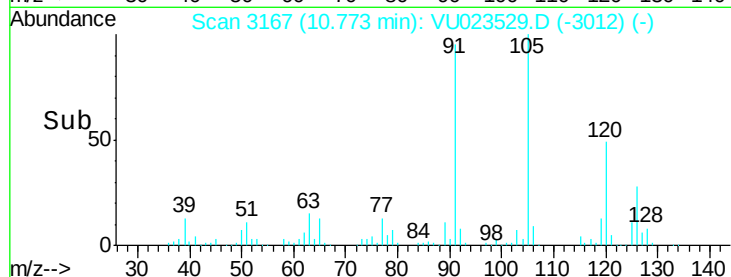
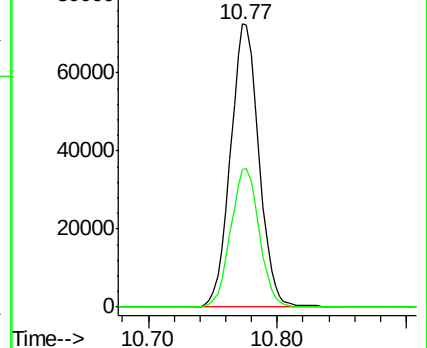
105 100

120 49.3 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.96 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU023529.D

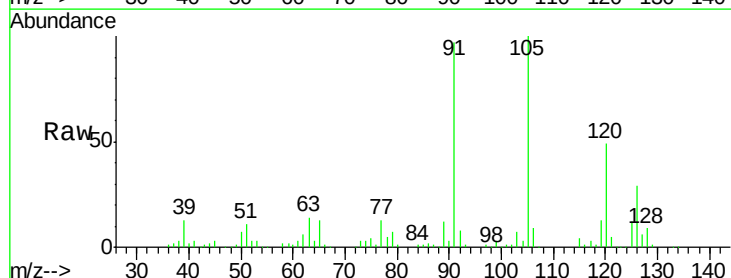
Acq: 30 Apr 2018 15:53

Tgt Ion:126 Resp: 32847

Ion Ratio Lower Upper

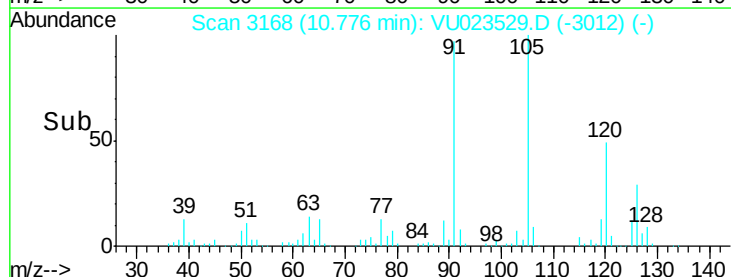
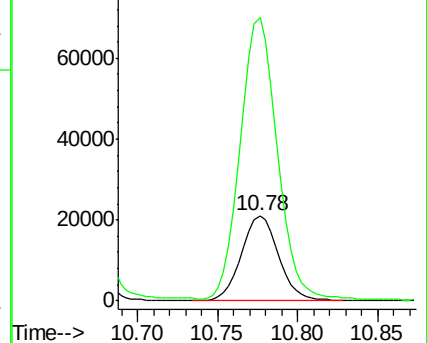
126 100

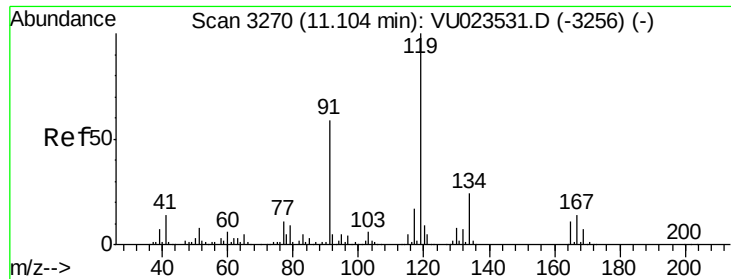
91 335.5 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

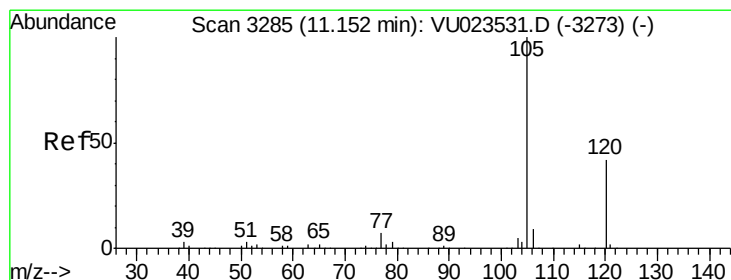
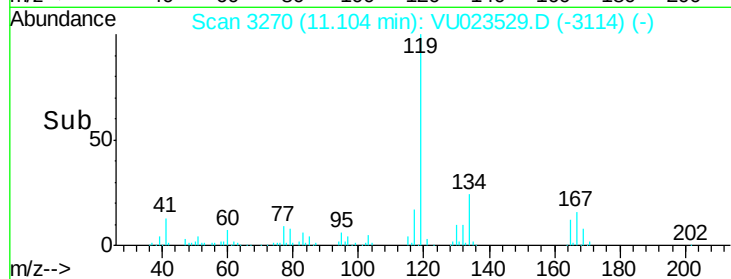
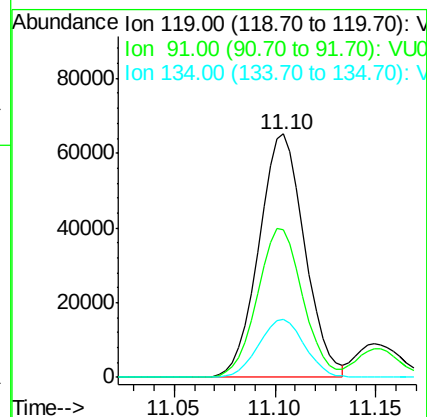
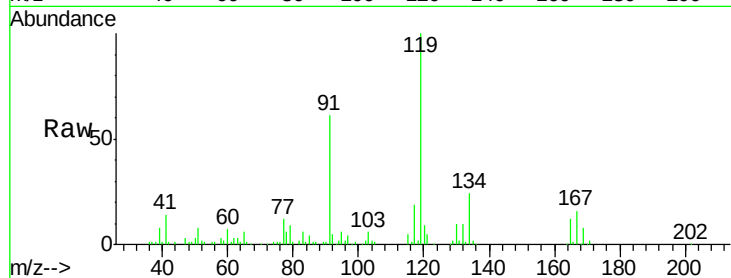




#77
 tert-Butylbenzene
 Concen: 1.99 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

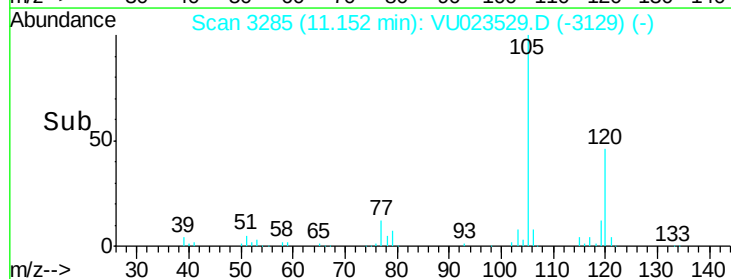
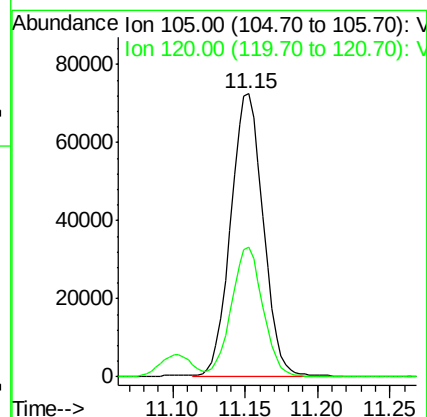
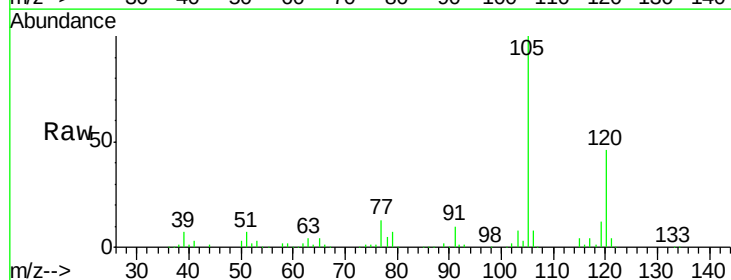
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

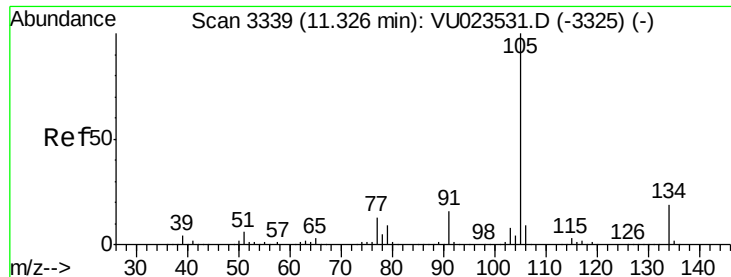
Tgt Ion	Ratio	Lower	Upper
119	100		
91	61.1	29.6	88.8
134	24.0	19.1	28.7



#78
 1,2,4-Trimethylbenzene
 Concen: 1.99 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	23.1	69.3





#79

sec-Butylbenzene

Concen: 2.09 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

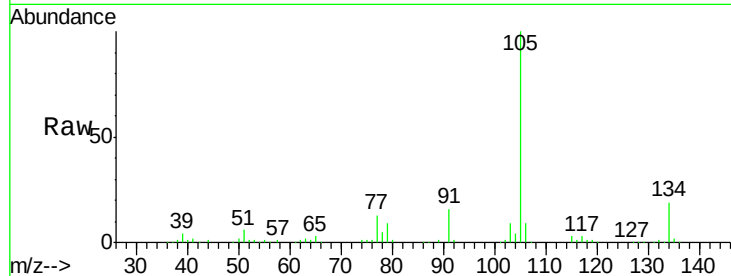
VSTDIC002

Tgt Ion: 105 Resp: 146178

Ion Ratio Lower Upper

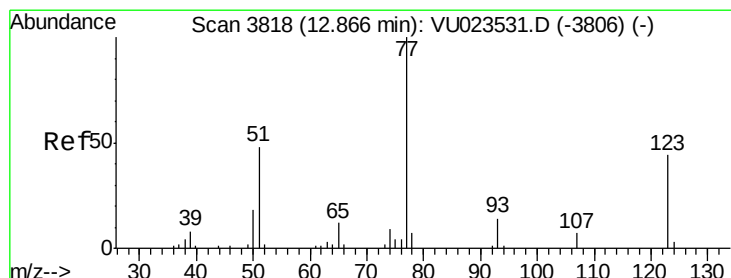
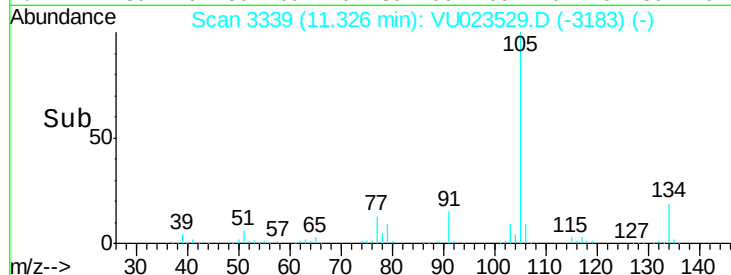
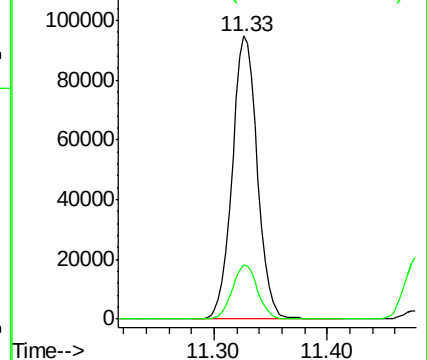
105 100

134 19.3 15.6 23.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 14.69 ug/l

RT: 12.87 min Scan# 3819

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

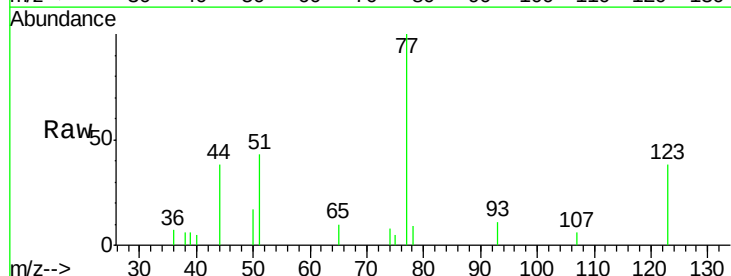
Tgt Ion: 77 Resp: 4422

Ion Ratio Lower Upper

77 100

123 38.0 19.4 68.6

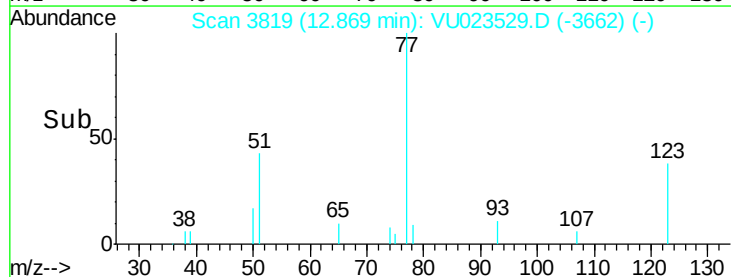
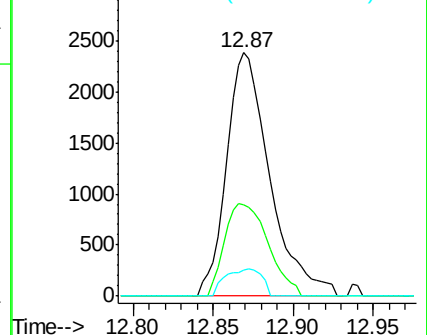
65 9.3 11.2 14.2#

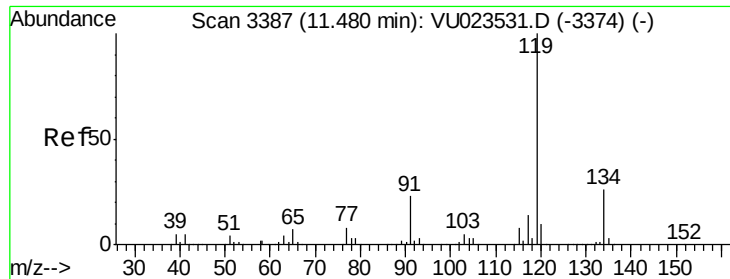


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

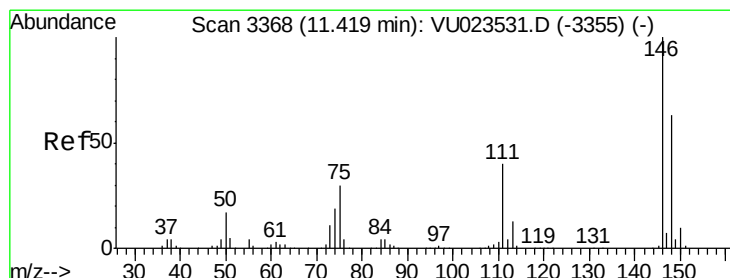
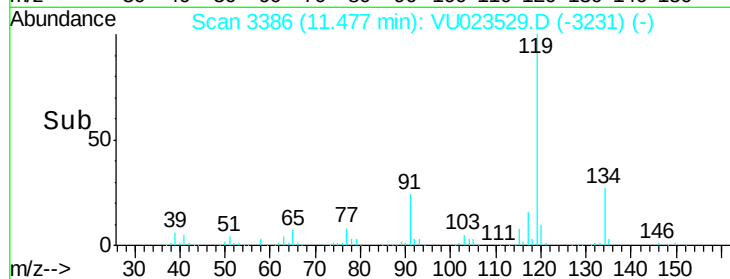
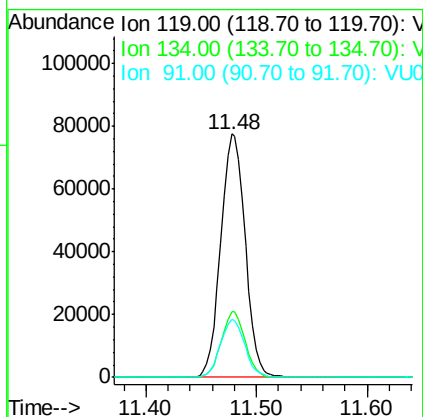
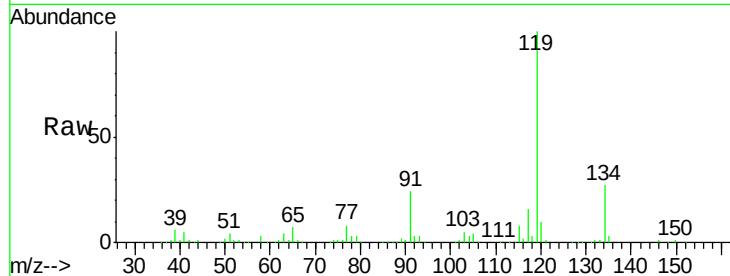




#81
 p-Isopropyltoluene
 Concen: 2.04 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

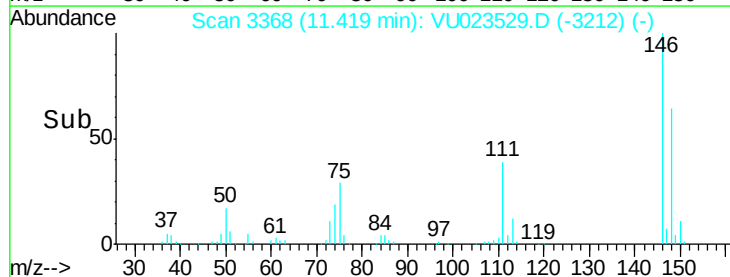
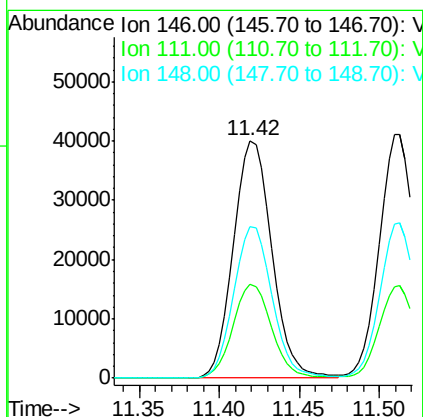
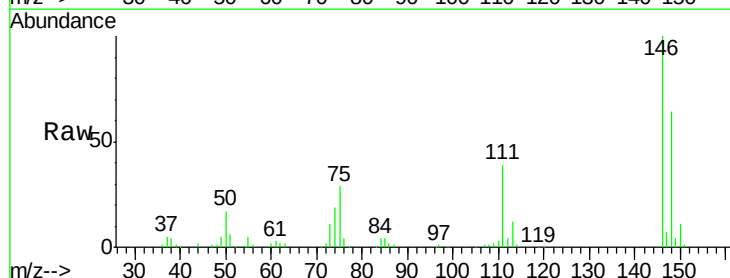
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

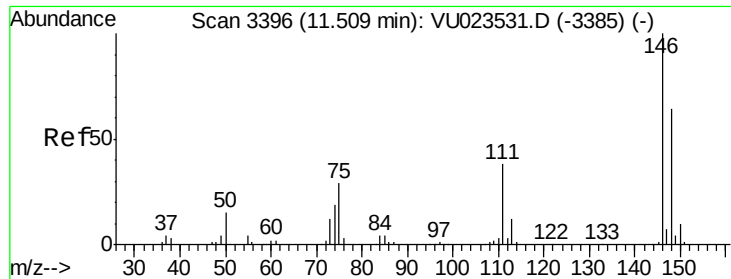
Tgt Ion:119 Resp: 119472
 Ion Ratio Lower Upper
 119 100
 134 26.1 20.9 31.3
 91 23.8 18.2 27.2



#82
 1,3-Dichlorobenzene
 Concen: 1.97 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion:146 Resp: 65683
 Ion Ratio Lower Upper
 146 100
 111 39.6 31.8 47.6
 148 63.8 51.0 76.4

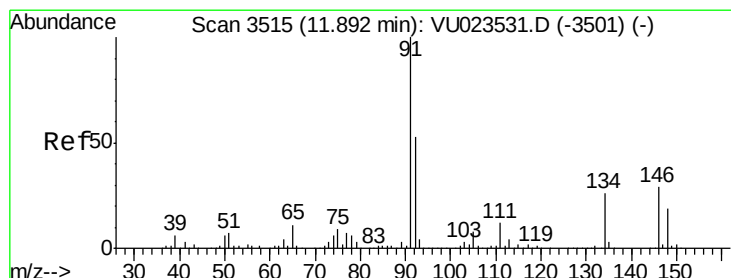
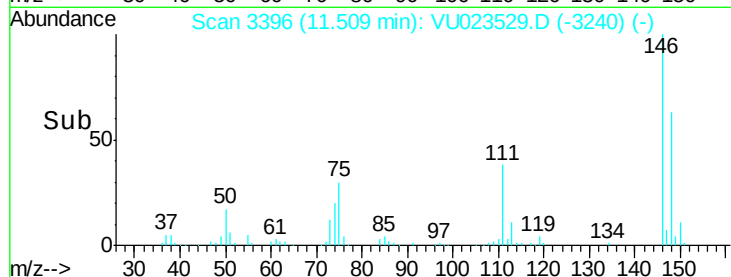
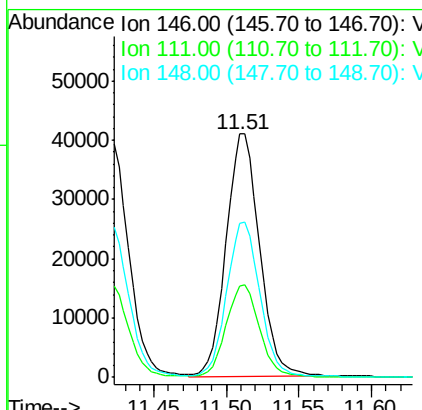
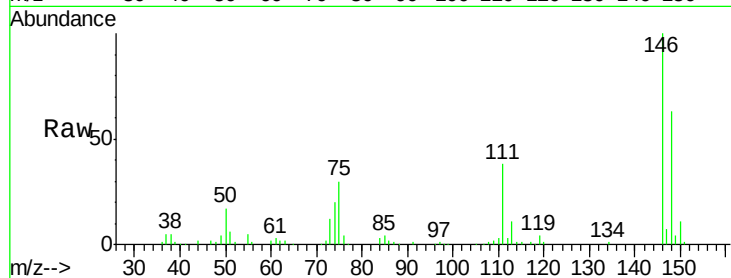




#83
 1,4-Dichlorobenzene
 Concen: 1.95 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

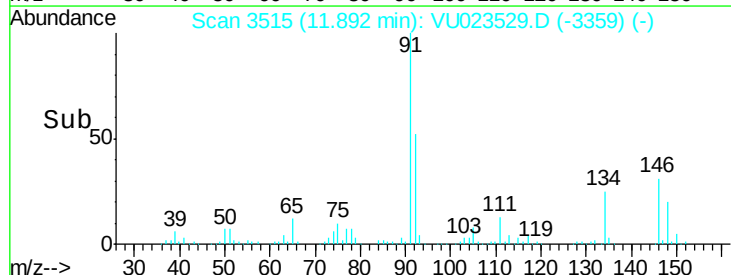
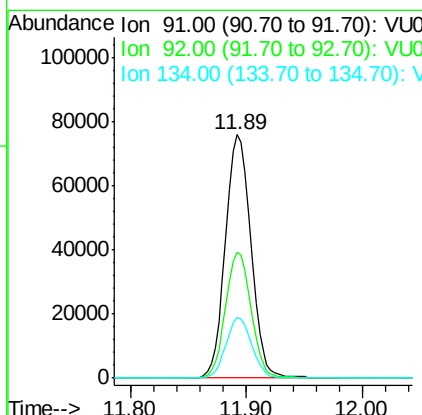
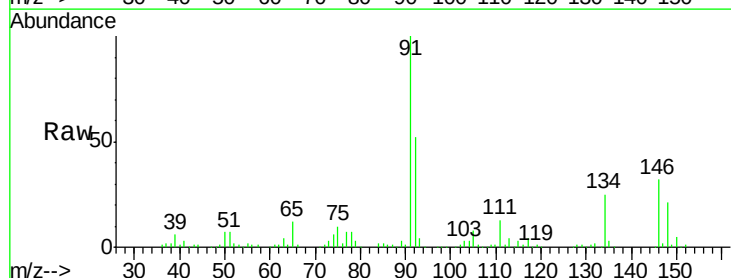
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

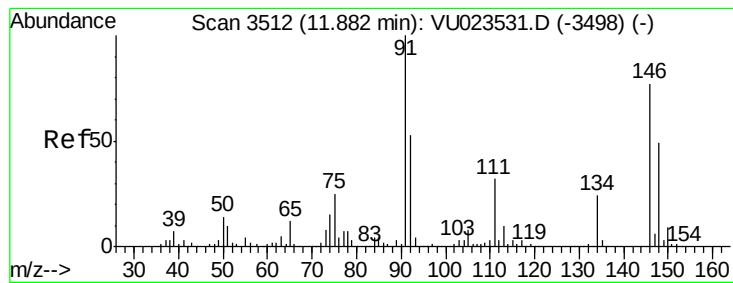
Tgt Ion: 146 Resp: 65418
 Ion Ratio Lower Upper
 146 100
 111 37.7 30.1 45.1
 148 64.3 50.6 76.0



#84
 n-Butylbenzene
 Concen: 2.08 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion: 91 Resp: 115620
 Ion Ratio Lower Upper
 91 100
 92 51.8 42.2 63.2
 134 24.9 20.3 30.5





#85

1,2-Dichlorobenzene

Concen: 1.88 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

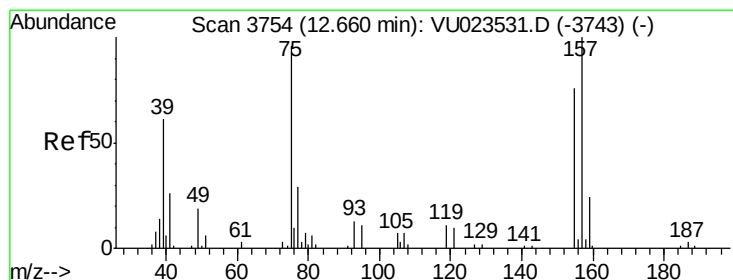
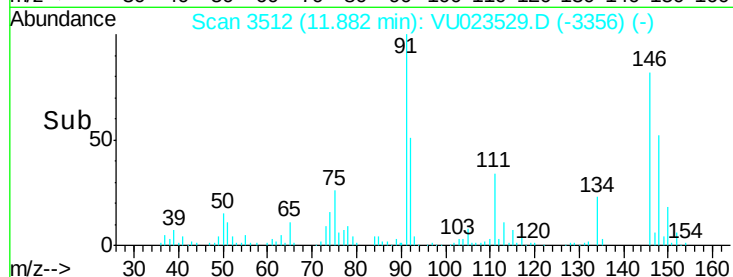
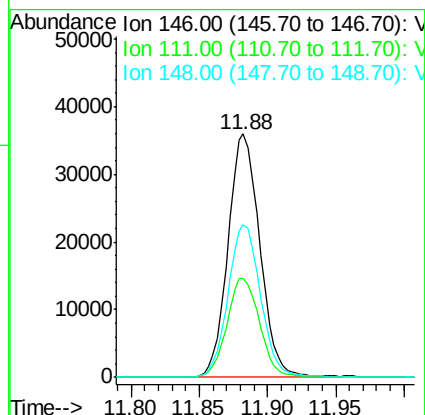
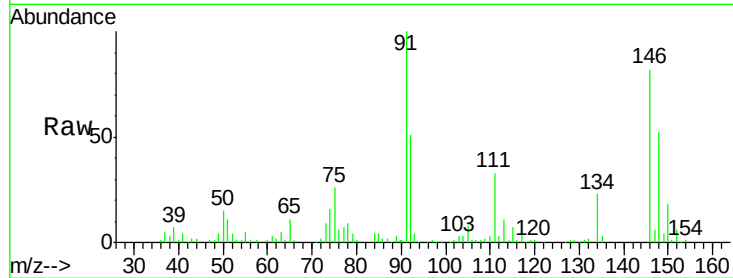
Tgt Ion: 146 Resp: 58525

Ion Ratio Lower Upper

146 100

111 41.5 20.7 62.1

148 64.0 31.9 95.5



#86

1,2-Dibromo-3-Chloropropane

Concen: 2.02 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

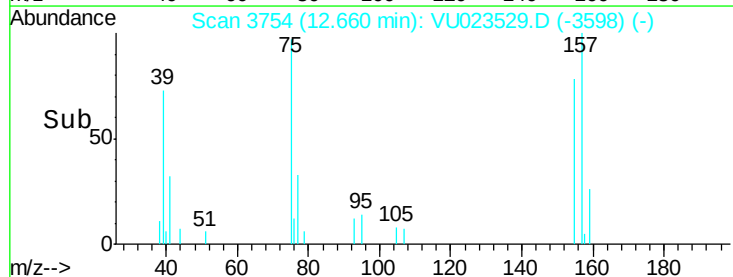
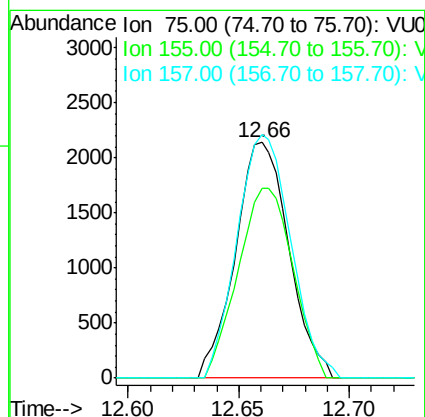
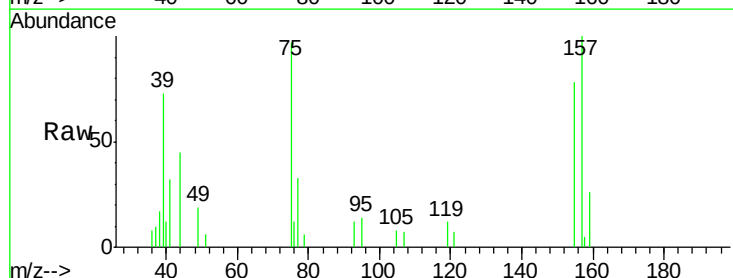
Tgt Ion: 75 Resp: 3597

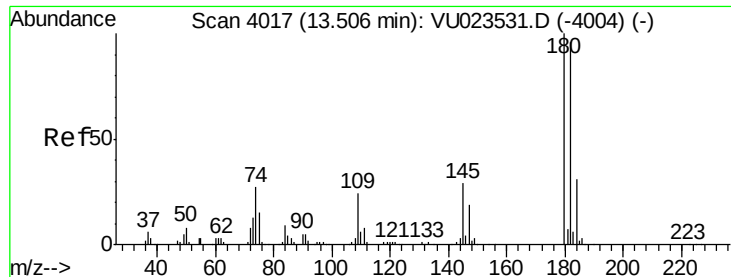
Ion Ratio Lower Upper

75 100

155 82.3 65.8 98.6

157 103.9 83.5 125.3

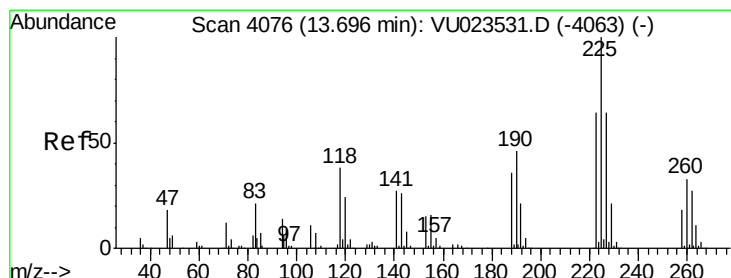
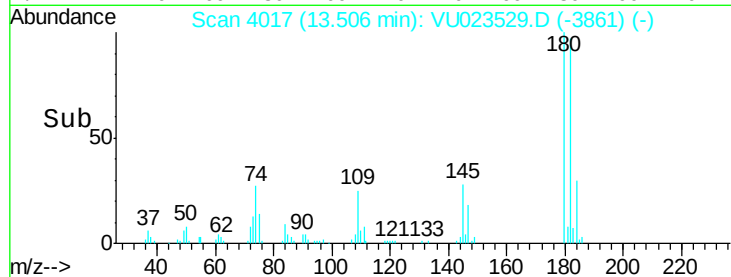
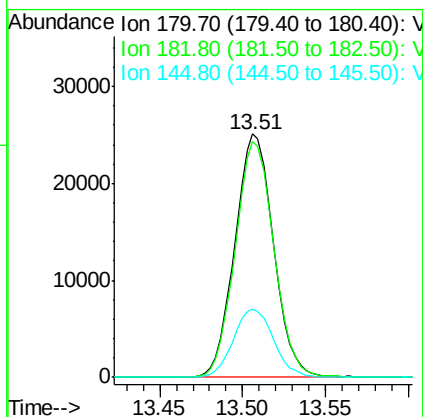
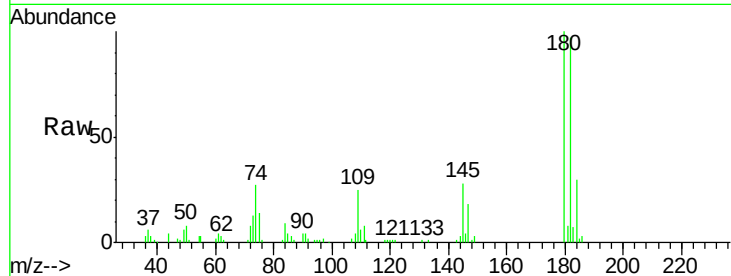




#87
 1,2,4-Trichlorobenzene
 Concen: 1.86 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

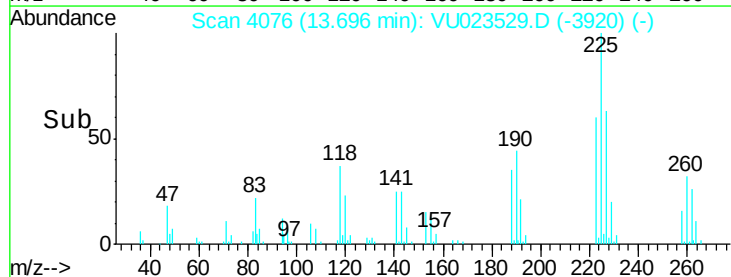
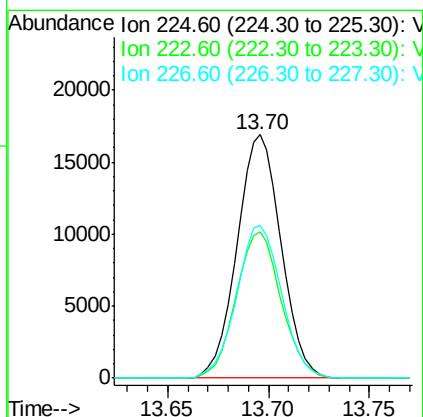
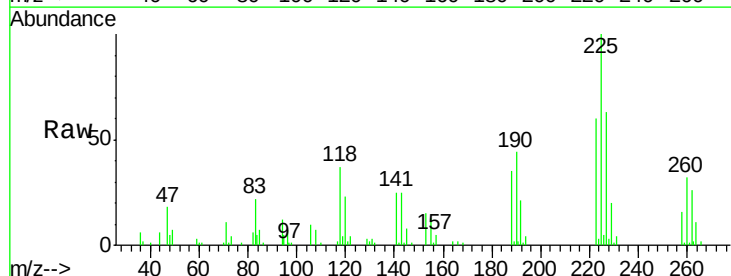
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

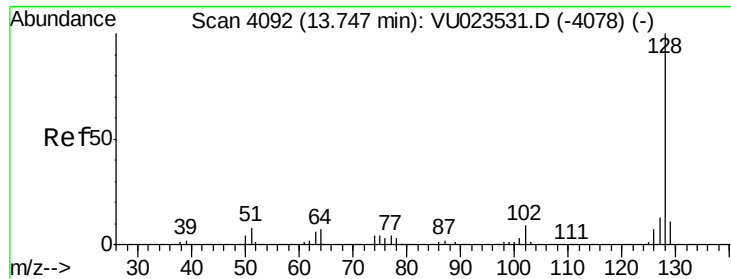
Tgt Ion:180 Resp: 40695
 Ion Ratio Lower Upper
 180 100
 182 97.0 77.1 115.7
 145 29.0 23.3 34.9



#88
 Hexachlorobutadiene
 Concen: 2.14 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion:225 Resp: 25764
 Ion Ratio Lower Upper
 225 100
 223 61.5 50.6 75.8
 227 64.4 51.8 77.6





#89

Naphthalene

Concen: 1.72 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

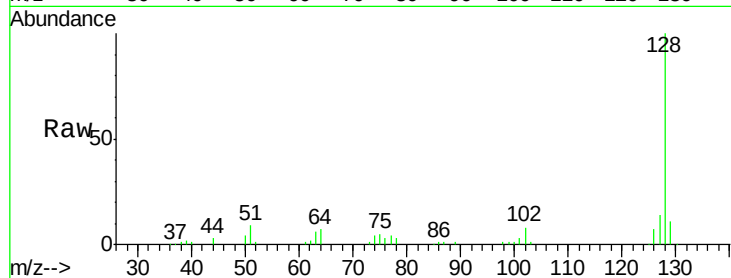
Tgt Ion:128 Resp: 59480

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

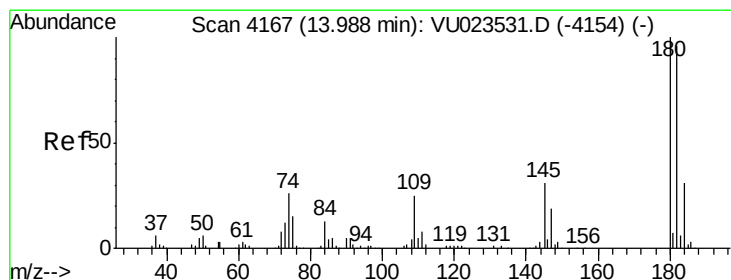
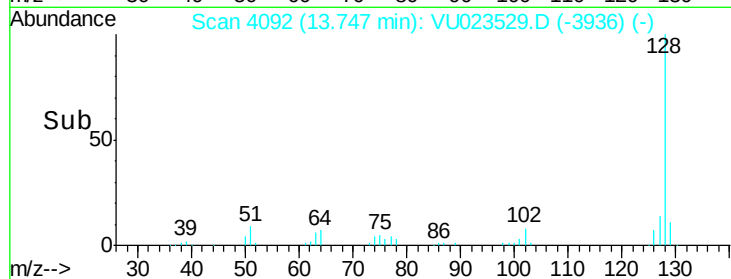
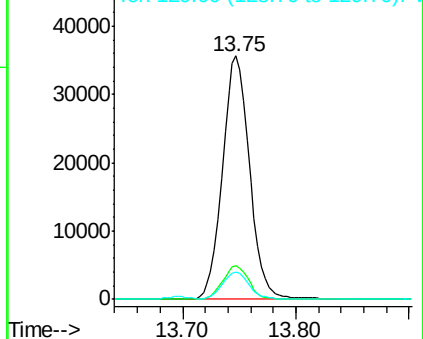
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 1.87 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

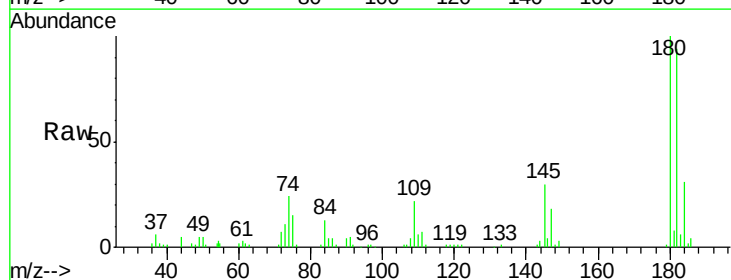
Tgt Ion:180 Resp: 38833

Ion Ratio Lower Upper

180 100

182 95.6 76.8 115.2

145 30.3 24.6 36.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

